قاموس رياضيات

Μαθηματικό Λεξικό

اصطلاحات ریاضی

Mathematical Dictionary

ریاضی کی لغت

Matematik Sözlüğü

Το Μαθηματικό Λεξικό δημιουργήθηκε από το SolidarityNow στο πλαίσιο του προγράμματος «Ολιστική Παροχή Υπηρεσιών για την Ένταξη και τη Στήριξη Παιδιών και Οικογενειών Προσφύγων», το οποίο υλοποιείται με τη στήριξη της UNICEF και με τη χρηματοδότηση της Γενικής Διεύθυνσης Ευρωπαϊκής Πολιτικής Προστασίας και Επιχειρήσεων Ανθρωπιστικής Βοήθειας, και σε συνεργασία με τη ΜΕΤΑδραση.

Η ΜΕΤΑδραση πραγματοποίησε το λεξικό στο πλαίσιο του έργου «Διερμηνεία για την Εκπαίδευση Παιδιών Προσφύγων και Μεταναστών στην Ελλάδα», το οποίο υλοποιείται με στήριξη της UNICEF και χρηματοδότηση της Γενικής Διεύθυνσης Ευρωπαϊκής Πολιτικής Προστασίας και Επιχειρήσεων Ανθρωπιστικής Βοήθειας.

Τα κείμενα μεταφράστηκαν στα αραβικά από το SolidarityNow και επιμελήθηκαν από τη ΜΕΤΑδραση ενώ οι μεταφράσεις στα αγγλικά, στα φαρσί, στα ουρντού και στα τουρκικά πραγματοποιήθηκαν από τη ΜΕΤΑδραση.

The Mathematical Dictionary was created by SolidarityNow as part of the project "Comprehensive Service Provision for the Integration and Well-Being of Refugee Children and Families", supported by UNICEF with funding from the European Union Civil Protection and Humanitarian Aid Operations (DG-ECHO), and in collaboration with METAdrasi.

METAdrasi realised this dictionary as part of the project "Interpretation for Education of Refugee and Migrant Children in Greece", supported by UNICEF with funding from the European Union Civil Protection and Humanitarian Aid Operations (DG-ECHO).

The texts were translated in Arabic by SolidarityNow and edited by METAdrasi, while the translations in English, Farsi, Urdu and Turkish were realised by METAdrasi.

قاموس رياضيات
Μαθηματικό Λεξικό
اصطلاحات رياضی
Mathematical Dictionary
ریاضی کی لغت
Matematik Sözlüğü

ΜΕΤΑδραση
ΔΡΑΣΗ ΓΙΑ ΤΗ ΜΕΤΑΝΑΣΤΕΥΣΗ & ΤΗΝ ΑΝΑΠΤΥΞΗ
αλληλεγγύη SOLIDARITY NOW
This is our common ground
unicef

ΠΡΟΛΟΓΟΣ/FOREWORD

Η εκπαίδευση παιδιών προσφύγων και μεταναστών συχνά επικεντρώνεται στην ταχύτητα της αναπλήρωσης όλης της γνώσης που έχει χαθεί μέσα στο διάστημα της μετακίνησής τους. Όμως, στη διάρκεια αυτής της προσπάθειας είναι σημαντικό να μην παραγκωνιστεί ο πλούτος της γνώσης, της εμπειρίας, και της ευφυΐας που κουβάλησαν μαζί τους. Η διδασκαλία των μαθηματικών είναι ένα ιδανικό περιβάλλον για να έρθουν όλα τα παραπάνω στο προσκήνιο. Οι δάσκαλοι μαθηματικών, σε αντίθεση με άλλους εκπαιδευτικούς, δε χρειάζεται να εξηγήσουν τη λέξη «εξίσωση» ή «υποτείνουσα» στα ελληνικά, μία γλώσσα όπου τα παιδιά δεν κατέχουν βασικά εργαλεία επικοινωνίας. Αντίθετα, μπορούν απλά να σχεδιάσουν ένα σχήμα στον πίνακα –αμέσως, χωρίς να χρησιμοποιήσουν ούτε μία λέξη, βλέπουν τα πρόσωπα των μαθητών τους να φωτίζονται, καθώς θυμούνται ένα παρόμοιο σχήμα που σχεδιάστηκε κάποτε σε έναν πίνακα στη Συρία, την Τουρκία ή το Αφγανιστάν. Καθώς τα παιδιά βιάζονται να απορροφήσουν νέες γνώσεις σε μία ξένη γλώσσα, σε ένα ανοίκειο μέρος, τα μαθηματικά είναι η άγκυρά τους στην οικουμενικότητα της γνώσης, καθώς και η απόδειξη της εγκυρότητας όλων των γνώσεων που έχουν με κόπο κατακτήσει και φέρει μαζί τους από την παλιά τους πατρίδα.

Αυτό το λεξικό στοχεύει να δώσει αξία σε αυτές τις γνώσεις, συνδέοντας οικουμενικά μαθηματικά σύμβολα με τις γλώσσες των παλιών και νέων πατρίδων των παιδιών. Συνδυάζοντας τις εκπαιδευτικές και μεταφραστικές εμπειρίες του SolidarityNow και της ΜΕΤΑδρασης, το λεξικό είναι ένα εργαλείο τόσο για μαθητές όσο και για εκπαιδευτικούς. Χρησιμοποιεί τις υπάρχουσες γνώσεις των μαθητών για τους δώσει τα λεκτικά εφόδια ώστε να επιτύχουν στο ελληνικό σχολικό σύστημα, ενώ ταυτόχρονα δίνει στους εκπαιδευτικούς τα μέσα ώστε να γίνει το μάθημά τους προσβάσιμο σε όλους τους μαθητές ανεξάρτητα από τη μητρική τους γλώσσα, είτε αυτή είναι τα ουρντού, ή τα φαρσί, τα αραβικά, τα τουρκικά, ή τα αγγλικά. Οι μεταφράσεις του λεξικού, συνδυαζόμενες με τα αντίστοιχα μαθηματικά σύμβολα, έχουν ως στόχο να χρησιμοποιήσουν το μαθηματικό «κοινό έδαφος» των εκπαιδευτικών και των μαθητών, φτιάχνοντας έτσι μία γέφυρα μεταξύ των γλωσσών τους. Παρακάμπτοντας το γλωσσικό εμπόδιο, ο τελικός στόχος είναι να τους βοηθήσουμε να χαράξουν μαζί καινούργια μονοπάτια μάθησης.

The education of refugee and migrant children often focuses on rapidly filling in what was lost during the time they spent on the move. Yet in that effort it is important not to lose sight of the wealth of knowledge, experience, and intelligence they have brought along with them. Nowhere are these more apparent than in mathematics. Unlike other teachers, rather than struggling to make sense of the word "equation" or "hypotenuse" in Greek, a language in which students barely command the basics, math teachers are able to draw a simple and elegant shape on the board. Without uttering a word, they see their students light up with understanding, as they are reminded of a similar shape drawn sometime on a board in Syria, Turkey, or Afghanistan. As young children rush to absorb new information in an unfamiliar language, in an unfamiliar place, mathematics is their anchor to the universality of knowledge, and a testament to the validity of what they painstakingly learned, and carried with them all the way from their old home.

This dictionary aims to give value to that knowledge, connecting universal math symbols to the languages of students' old and new homes. Combining the educational and translation experiences of SolidarityNow and METAdrasi, it is meant as a tool for students and teachers alike, and uses the students' existing knowledge to give them the words necessary to succeed in the Greek school system, while at the same time giving the math teachers the means to make their lessons accessible to all students, irrespective of their linguistic background, whether it is Urdu, Farsi, Arabic, Turkish, or English. These multi-way translations, coupled with the corresponding mathematical symbols, aim to utilize the mathematical common ground of teachers and students to build a bridge across their respective languages. Overcoming the language barrier, the ultimate goal is to help them forge new learning paths ahead.

περιεχόμενα/table of contents

Αριθμοί

Numbers

Sayılar

أرقام

نمبرز، اعداد، ہندسے

اعداد

0

Greek:	Μηδέν
English:	Zero
Turkish:	Sıfır
Arabic:	صفر
Urdu:	صفر
Farsi:	صفر

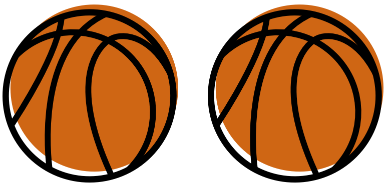
Greek:	Ένα
English:	One
Turkish:	Bir
Arabic:	واحد
Urdu:	ایک
Farsi:	یک

1



2

Greek:	Δύο
English:	Two
Turkish:	İki
Arabic:	اثنان
Urdu:	دو
Farsi:	دو



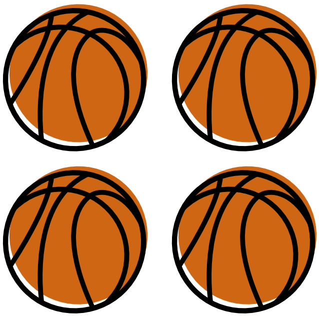
Greek:	Τρία
English:	Three
Turkish:	Üç
Arabic:	ثلاثة
Urdu:	تین
Farsi:	سه

3



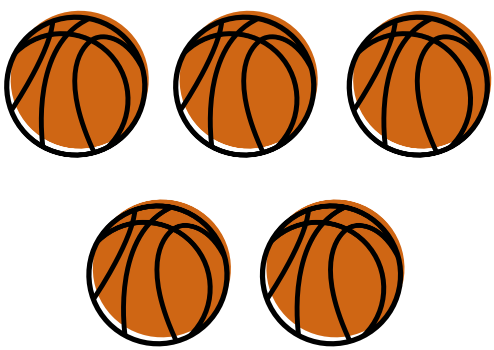
4

Greek:	Τέσσερα
English:	Four
Turkish:	Dört
Arabic:	أربعة
Urdu:	چار
Farsi:	چهار



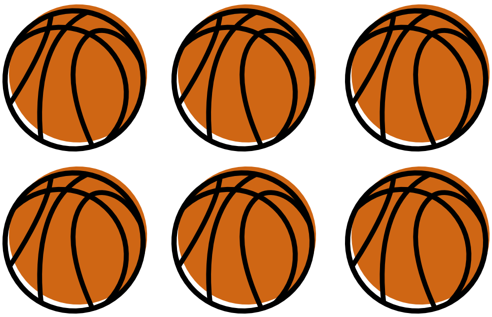
5

Greek:	Πέντε
English:	Five
Turkish:	Beş
Arabic:	خمسة
Urdu:	پانچ
Farsi:	پنج



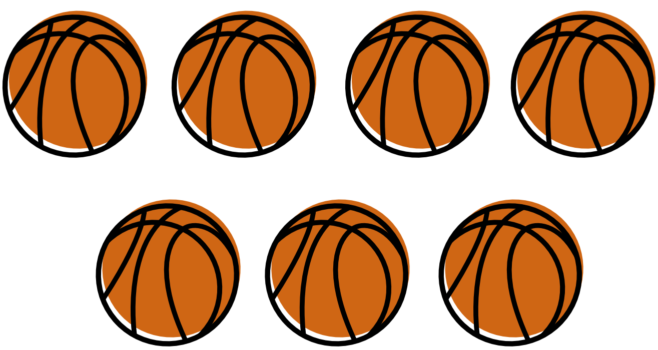
6

Greek:	Έξι
English:	Six
Turkish:	Altı
Arabic:	ستة
Urdu:	چھ
Farsi:	شش



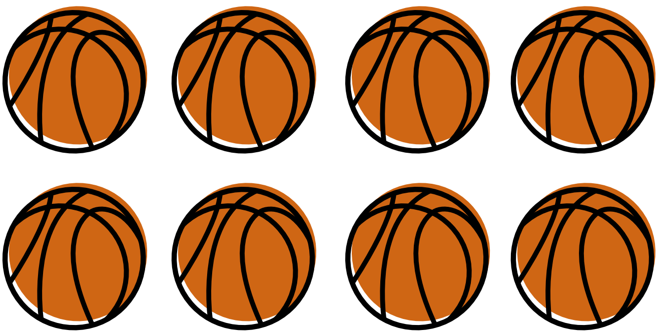
7

Greek:	Επτά
English:	Seven
Turkish:	Yedi
Arabic:	سبعة
Urdu:	سات
Farsi:	هفت



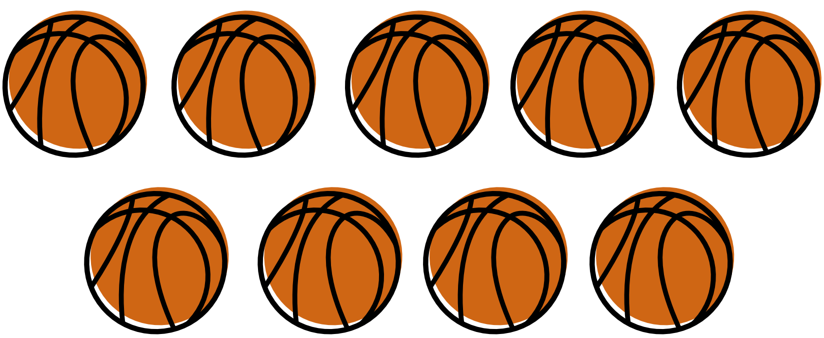
8

Greek:	Οκτώ
English:	Eight
Turkish:	Sekiz
Arabic:	ثمانية
Urdu:	آٹھ
Farsi:	هشت



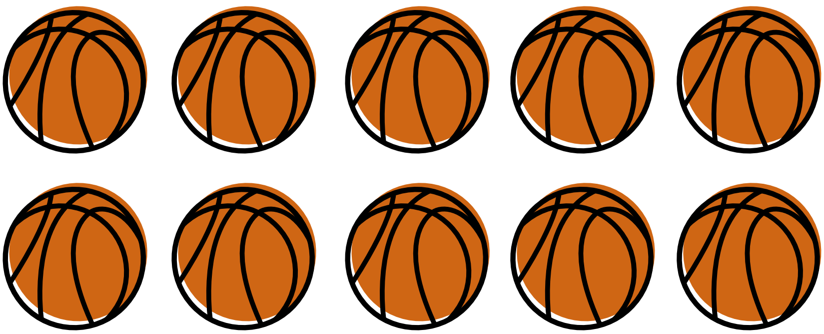
Greek:	Εννέα
English:	Nine
Turkish:	Dokuz
Arabic:	تسعة
Urdu:	نو
Farsi:	نه

9

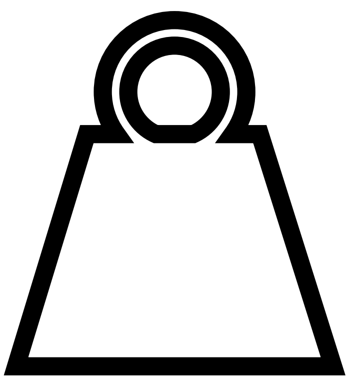


10

Greek:	Δέκα
English:	Ten
Turkish:	On
Arabic:	عشرة
Urdu:	دس
Farsi:	ده

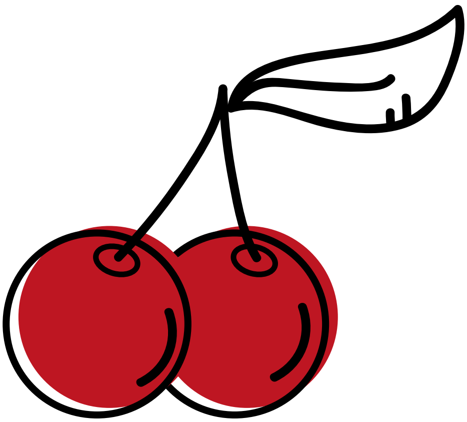


Greek:	Μονάδα
English:	Unit, monad
Turkish:	Birim
Arabic:	وحدة
Urdu:	یونٹ، اکیلا
Farsi:	واحد

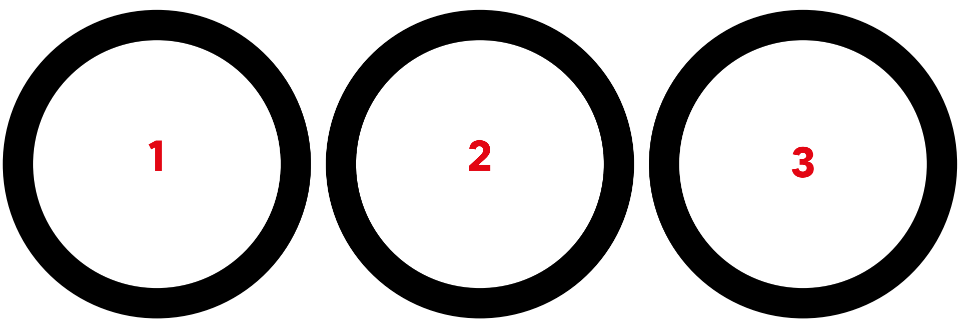


kg, lt, sec, m, etc.

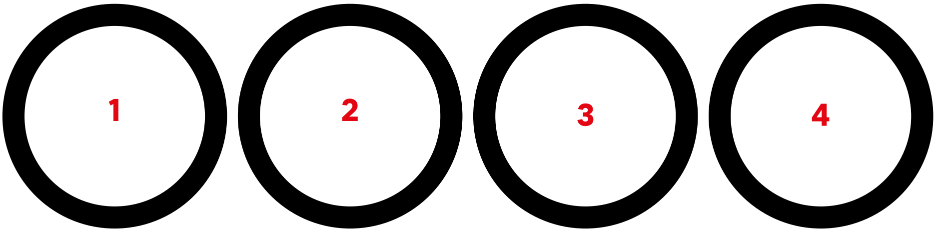
Greek:	Δυάδα
English:	Pair, dyad
Turkish:	Çift
Arabic:	مزدوج
Urdu:	دوگنا
Farsi:	دوگانه



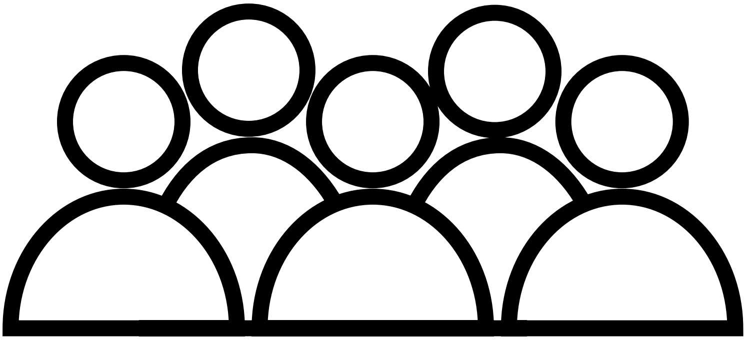
Greek:	Τριάδα
English:	Triple, triad
Turkish:	Üçlü
Arabic:	ثلاثي
Urdu:	تیگنا
Farsi:	سه گانه



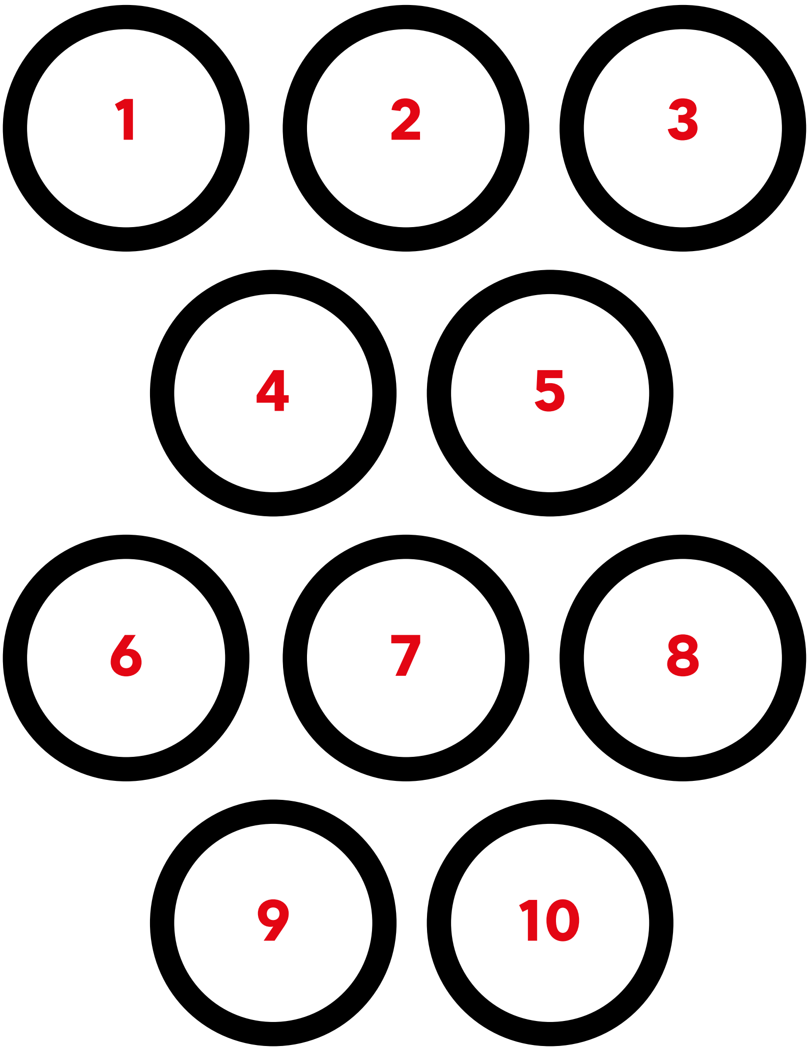
Greek:	Τετράδα
English:	Quadruple
Turkish:	Dörtlü
Arabic:	رباعي
Urdu:	چوگنا
Farsi:	چهار گانه



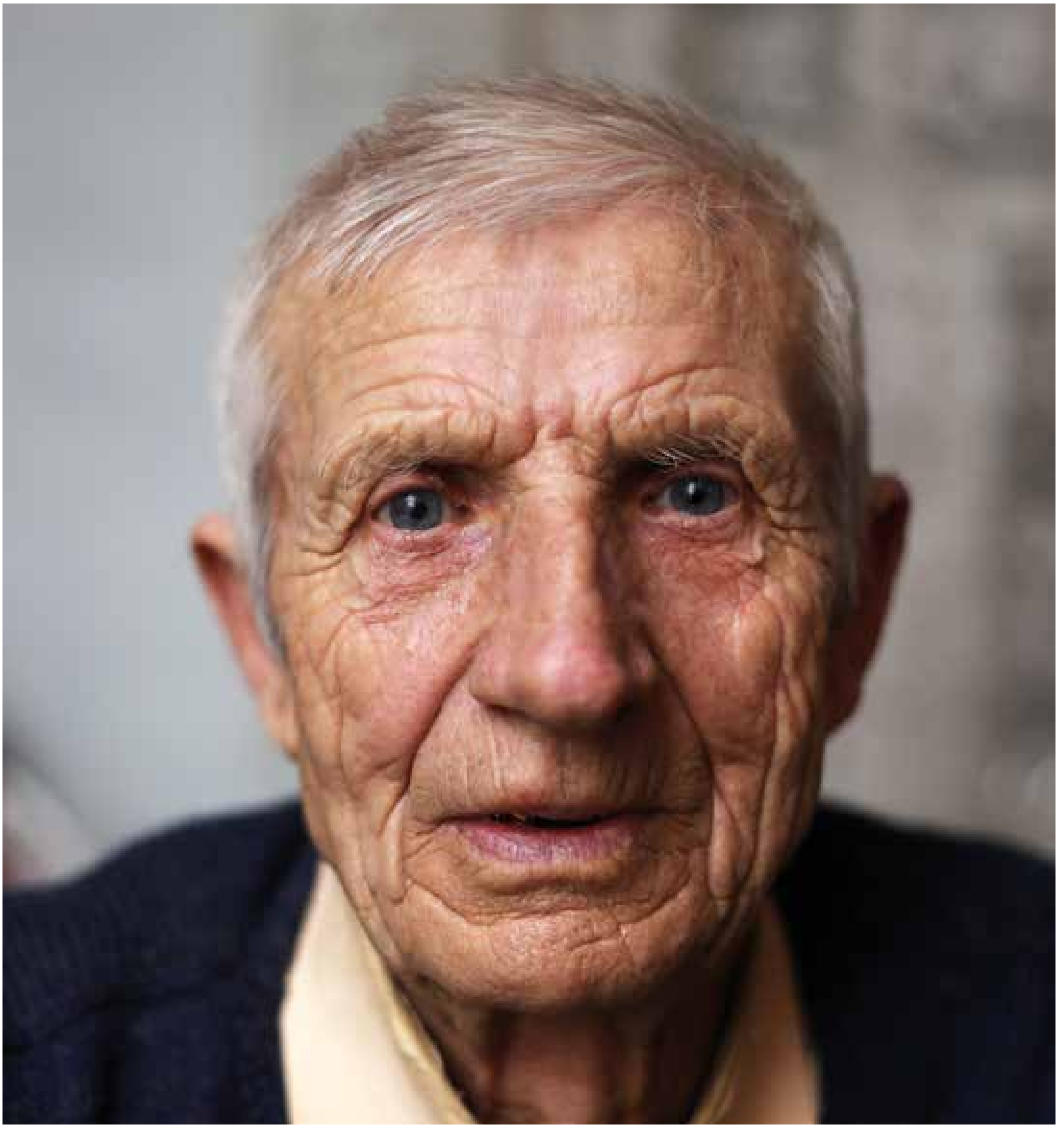
Greek:	Πεντάδα
English:	Quintet
Turkish:	Beşli
Arabic:	خماسي
Urdu:	پانچ بار
Farsi:	پنج گانه



Greek:	Δεκάδα
English:	Decade
Turkish:	Onluk
Arabic:	عشرات
Urdu:	درجن
Farsi:	ده گانه



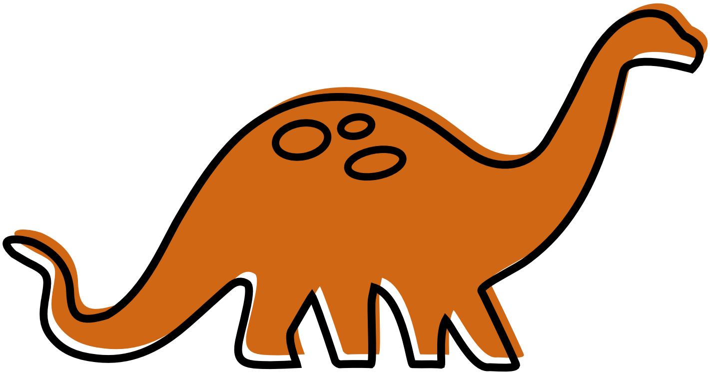
Greek:	Εκατοντάδα
English:	Hundred
Turkish:	Yüzlük
Arabic:	مئات
Urdu:	سو بار
Farsi:	صد گانه



Greek:	Χιλιάδα
English:	Thousand
Turkish:	Binlik
Arabic:	آلاف
Urdu:	ہزار بار
Farsi:	هزارگانه



Greek:	Εκατομμύριο
English:	Million
Turkish:	Milyon
Arabic:	مليون
Urdu:	ملین, لاکھ
Farsi:	میلیون



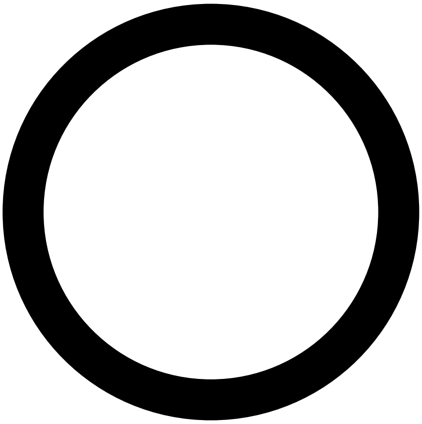
Greek:	Δισεκατομμύριο
English:	Billion
Turkish:	Milyar
Arabic:	مليار
Urdu:	ارب
Farsi:	بيليون



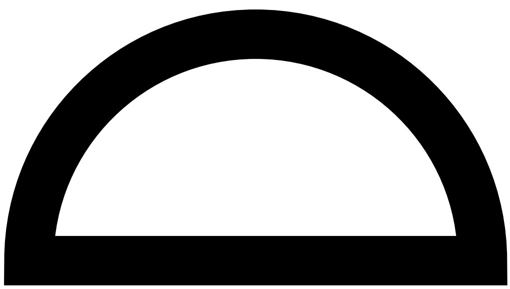
Greek:	Άπειρο
English:	Infinite
Turkish:	Sonsuz
Arabic:	لانهاية
Urdu:	انفینٹی ،ان گنت
Farsi:	بینهایت

∞

Greek:	Σύνολο
English:	Sum, total, set
Turkish:	Toplam
Arabic:	مجموع
Urdu:	قُل
Farsi:	مجموعه -حاصل جمع



Greek:	Μισό
English:	Half
Turkish:	Yarım
Arabic:	نصف
Urdu:	آدھا
Farsi:	نصف-نیم



Greek:	Μονός αριθμός
English:	Odd number
Turkish:	Tek sayı
Arabic:	عدد فردي
Urdu:	طاق عدد
Farsi:	عدد فرد

1, 3, 5, 7...

Greek:	Άρτιος αριθμός
English:	Even number
Turkish:	Çift sayı
Arabic:	رقم زوجي
Urdu:	جفت عدد
Farsi:	عدد زوج

2, 4, 6, 8...

Greek:	Θετικός αριθμός
English:	Positive number
Turkish:	Pozitif sayı
Arabic:	رقم موجب
Urdu:	مثبت عدد
Farsi:	عدد مثبت

2, 4, 6, 8...

Greek:	Αρνητικός αριθμός
English:	Negative number
Turkish:	Negatif sayı
Arabic:	رقم سالب
Urdu:	منفی عدد
Farsi:	عدد منفی

–1, –2, –3...

Greek:	Ψηφίο
English:	Digit
Turkish:	Hane
Arabic:	رقم
Urdu:	عدد
Farsi:	رقم

1 2 3

Greek:	Μονοψήφιος
English:	Single digit
Turkish:	Tek haneli
Arabic:	رقم آحاد
Urdu:	ایک عدد کا ہندسہ
Farsi:	یک رقمی

5

Greek:	Διψήφιος
English:	Double digit
Turkish:	Çift haneli
Arabic:	عدد مكون من منزلتين (رقمين)
Urdu:	دو عددی ہندسہ
Farsi:	دو رقمی

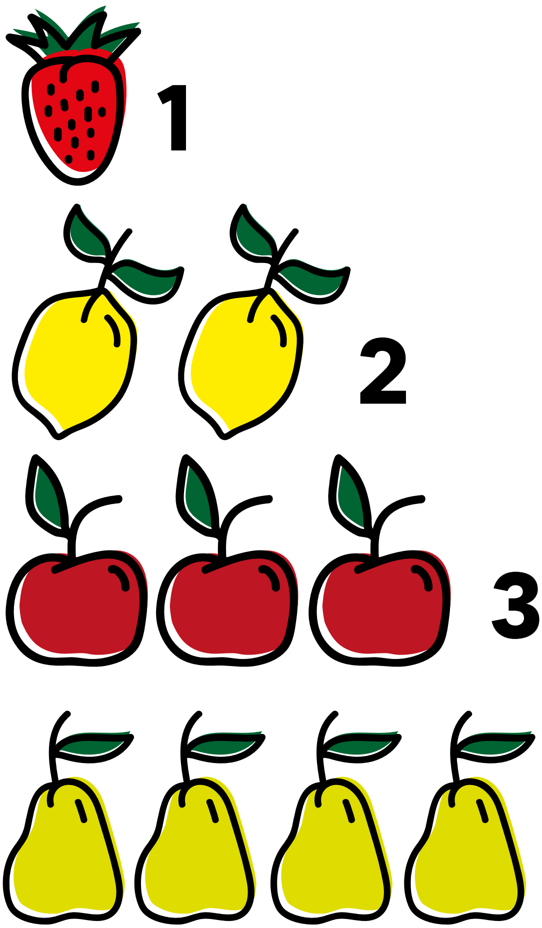
15

Greek:	Τριψήφιος
English:	Triple digit
Turkish:	Üç haneli
Arabic:	عدد مكون من ثلاث منازل (أرقام)
Urdu:	تین عددی ہندسہ
Farsi:	سه رقمی

365

Greek:	Πολυψήφιος
English:	Multi digit
Turkish:	Çok haneli
Arabic:	عدد مكون من عدة منازل (أرقام)
Urdu:	زیادہ عددی ہندسہ
Farsi:	چند رقمی

1923



Greek:	Ποσότητα
English:	Quantity
Turkish:	Miktar
Arabic:	كمية
Urdu:	مقدار
Farsi:	مقدار

Σύμβολα

Symbols

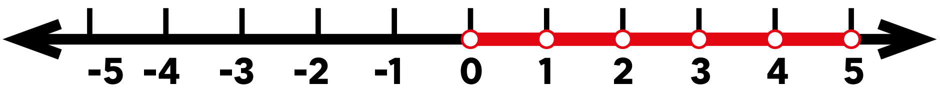
Semboller

رموز

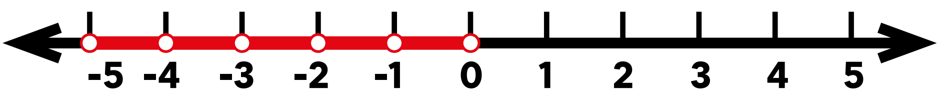
علامتیں، نشانات

علامت ها

Greek:	Θετικός αριθμός
English:	Positive number
Turkish:	Pozitif sayı
Arabic:	رقم موجب
Urdu:	مثبت عدد
Farsi:	عدد مثبت



Greek:	Αρνητικός αριθμός
English:	Negative number
Turkish:	Negatif sayı
Arabic:	رقم سالب
Urdu:	منفی عدد
Farsi:	عدد منفی

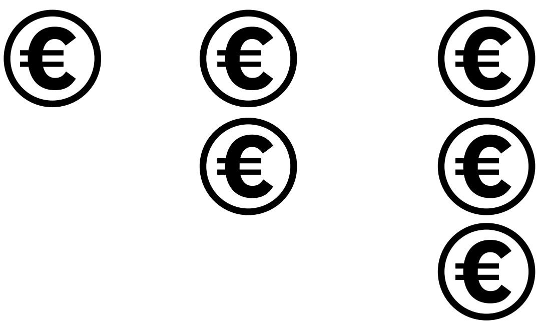


Greek:	Πρόσημο
English:	Sign
Turkish:	İşaret
Arabic:	إشارة العدد (سالب أو موجب)
Urdu:	علامت
Farsi:	علامت

$$+2 \quad -1$$

Greek:	Συν/και
English:	Plus/and
Turkish:	Artı/ve
Arabic:	زائد/ زائد
Urdu:	جمع، پلس/ اور
Farsi:	باضافه-بعلاوه/و

$$1+2=3$$

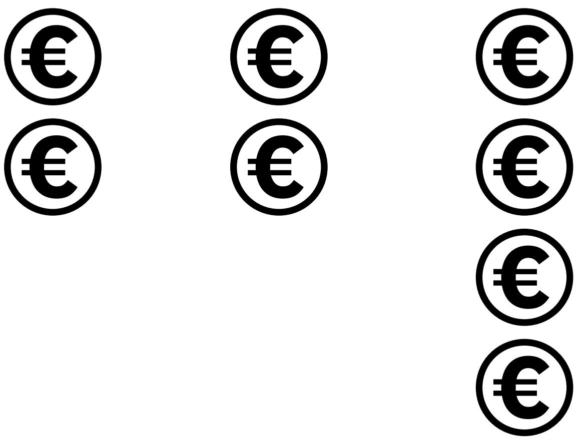


Greek:	Ίσον
English:	Equals
Turkish:	Eşit
Arabic:	يساوي
Urdu:	برابر،مساوی
Farsi:	برابر

1+1=2



2+2=4

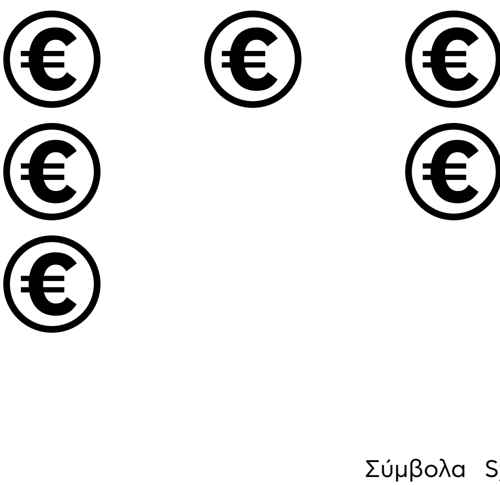


Greek:	Πλην/Μείον
English:	Minus
Turkish:	Eksi
Arabic:	ناقص / أقل
Urdu:	تفریق کی علامت/ تفریق ، نفی
Farsi:	منها/منفی

$$2-1=1$$

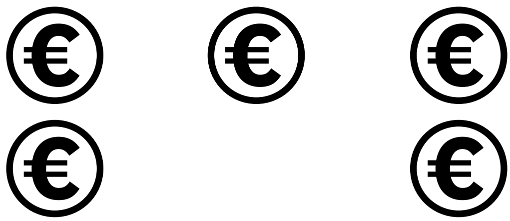


$$3-1=2$$

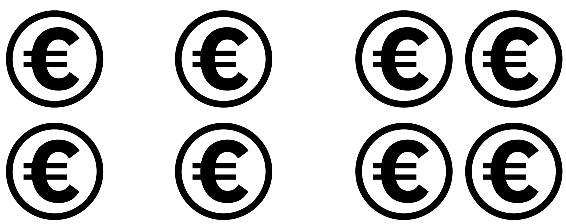


Greek:	Επί
English:	Multiply by
Turkish:	Çarpı
Arabic:	ضرب
Urdu:	ضرب
Farsi:	ضرب

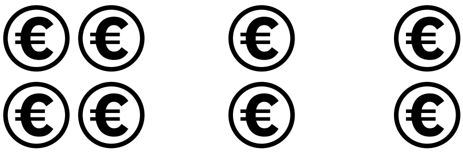
$$2 \times 1 = 2$$



$$2 \cdot 2 = 4$$

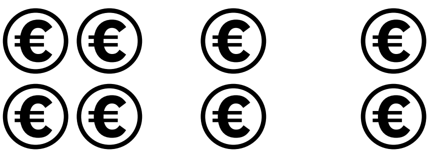


$$4 \div 2 = 2$$

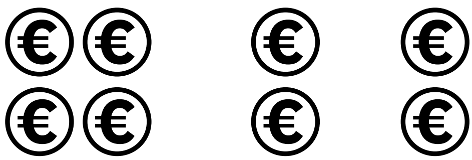


Greek:	Διά
English:	Divide by
Turkish:	Bölü
Arabic:	تقسيم
Urdu:	تقسیم
Farsi:	تقسیم

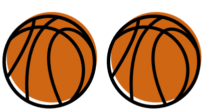
$$4 : 2 = 2$$



$$4 / 2 = 2$$



Greek:	Μικρότερο
English:	Less than
Turkish:	Küçüktür
Arabic:	أصغر
Urdu:	نسبتاً کم، نسبتاً چھوٹا
Farsi:	کوچکتر



$$2 < 3$$



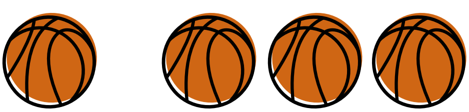
Greek:	Μεγαλύτερο
English:	Greater than
Turkish:	Büyüktür
Arabic:	أكبر
Urdu:	نسبتاً زیادہ، نسبتاً برا
Farsi:	بزرگتر

$$3>2$$

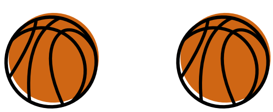


Greek:	Μικρότερο ή ίσο
English:	Less than or equal to
Turkish:	Küçük eşit
Arabic:	أصغر أو مساوي
Urdu:	نسبتاً کم یا برابر
Farsi:	جکوچکتر

$$1\leq3$$

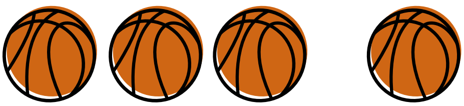


$$1\leq1$$



Greek:	Μεγαλύτερο ή ίσο
English:	Greater than or equal to
Turkish:	Büyük eşit
Arabic:	أكبر أو مساوي
Urdu:	نسبتاً زیادہ یا برابر
Farsi:	بزرگتر یا مساوی

3≥1



1≥1



Greek:	Υποδιαστολή
English:	Decimal point
Turkish:	Ondalık nokta
Arabic:	الفاصلة العشرية
Urdu:	کوما، علامت وقف
Farsi:	کاما

2,5

Greek:	Παρένθεση
English:	Parenthesis
Turkish:	Parantez
Arabic:	بين قوسين
Urdu:	بریکٹ
Farsi:	پرانتز

( )

Greek:	Συνεπάγεται
English:	Implies
Turkish:	Demektir
Arabic:	يدل
Urdu:	اشاره کرنا
Farsi:	نتیجه گرفتن

$$x=2 \Rightarrow 2x=4$$

Greek:	Ισοδυναμεί
English:	Equals
Turkish:	Eşittir
Arabic:	يساوي
Urdu:	برابر،مساوی
Farsi:	برابر

$$x+5=y+2 \Leftrightarrow x+3=y$$

Απόσταση

Distance

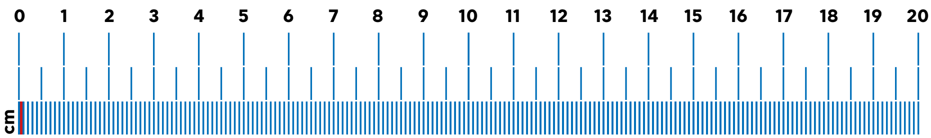
Mesafe

المسافة

فاصله

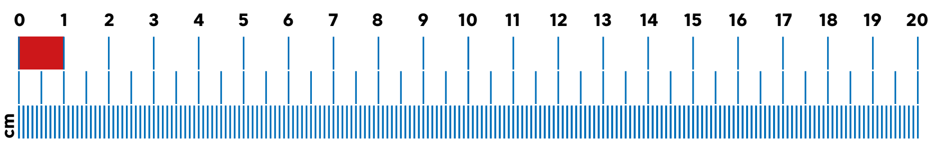
فاصله

Greek:	Χιλιοστόμετρο
English:	Millimeter
Turkish:	Milimetre
Arabic:	ملليمتر
Urdu:	ملیمیٹر
Farsi:	میلی متر

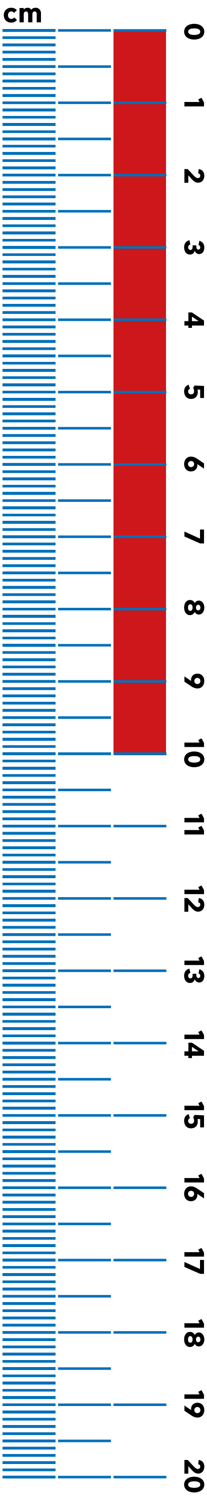


$$10^{-3}\text{m} = 1\text{mm} = 1\text{χιλ}$$

Greek:	Εκατοστόμετρο
English:	Centimeter
Turkish:	Santimetre
Arabic:	سنتيمتر
Urdu:	سینٹی میٹر
Farsi:	سانتی متر



$$10^{-2}\text{m} = 1\text{cm} = 1\text{εκ}$$



Greek:	Δεκατόμετρο
English:	Decimeter
Turkish:	Desimetre
Arabic:	عدد عشري من المتر
Urdu:	ڈیسی میٹر
Farsi:	دسی متر

$$10^{-1}\text{m} = 1\text{dm} = 1\delta\varepsilon\kappa$$

Greek:	Μέτρο
English:	Meter
Turkish:	Metre
Arabic:	متر
Urdu:	میٹر
Farsi:	متر



1 meter

فاصله فاصلہ المسافة

Greek:	Χιλιόμετρο
English:	Kilometer
Turkish:	Kilometre
Arabic:	كيلومتر
Urdu:	کلومیٹر
Farsi:	کیلومتر





Greek:	Μίλι
English:	Mile
Turkish:	Mil
Arabic:	ميل
Urdu:	میل
Farsi:	مایل

Máζa Mass

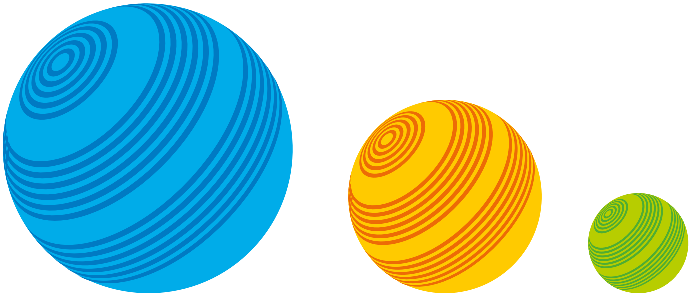
Kütle

كتلة

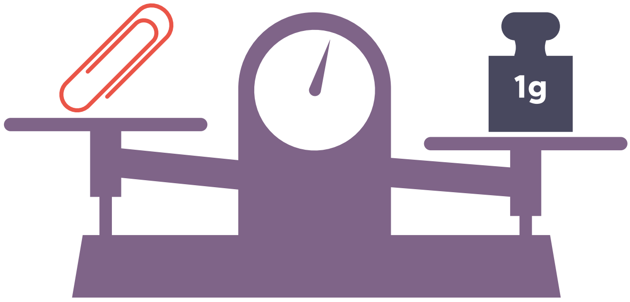
مادة

جرم

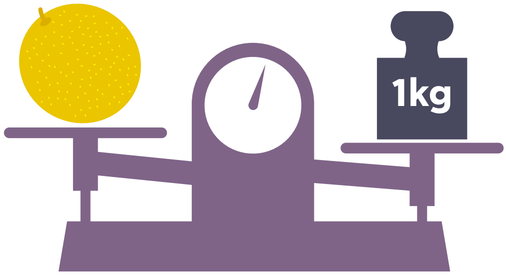
Greek:	Μάζα
English:	Mass
Turkish:	Kütle
Arabic:	كتلة
Urdu:	ماده
Farsi:	جرم



Greek:	Γραμμάριο
English:	Gram, g
Turkish:	Gram
Arabic:	غرام
Urdu:	گرام
Farsi:	گرم



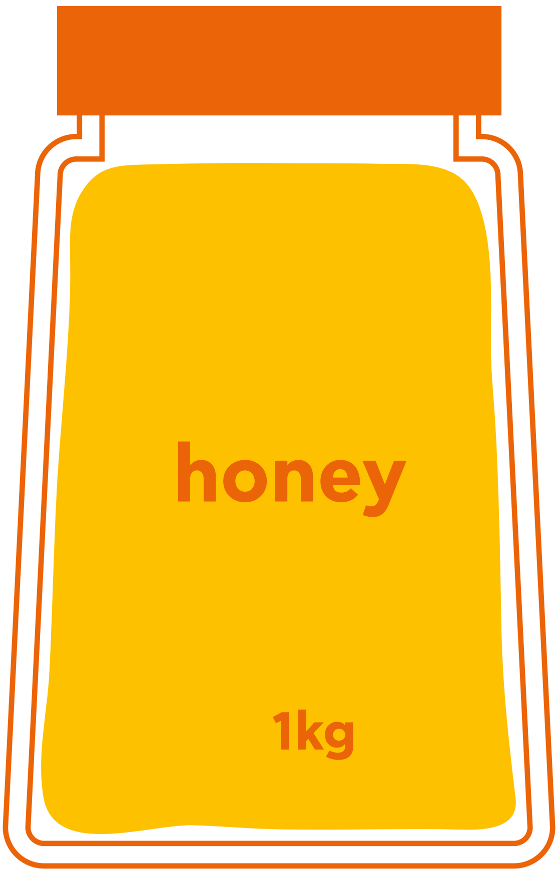
Greek:	Κιλό
English:	Kilo, kilogram, kg
Turkish:	Kilo
Arabic:	كيلو غرام
Urdu:	کلو
Farsi:	کیلو



Greek:	Τόνος
English:	Ton
Turkish:	Ton
Arabic:	طن
Urdu:	ٹن
Farsi:	تن



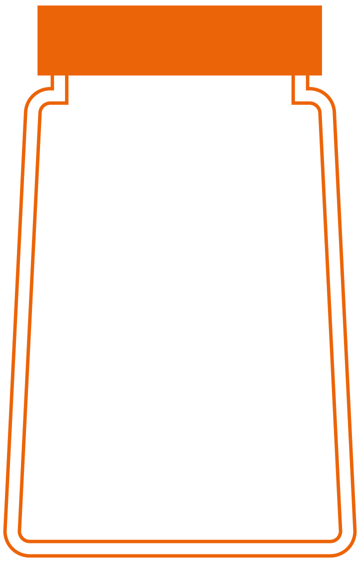
Greek:	Μεικτό βάρος
English:	Gross weight
Turkish:	Brüt ağırlık
Arabic:	الوزن الإجمالي
Urdu:	مجموعی وزن
Farsi:	ورن ناخالص



honey

Greek:	Καθαρό βάρος
English:	Net weight
Turkish:	Net ağırlık
Arabic:	الوزن الصافي
Urdu:	خالص وزن
Farsi:	وزن خالص

Greek:	Απόβαρο
English:	Deadweight
Turkish:	Dara ağırlığı
Arabic:	الوزن الفارغ
Urdu:	ہلاک وزن
Farsi:	وزن ظرف



Χρόνος

Time

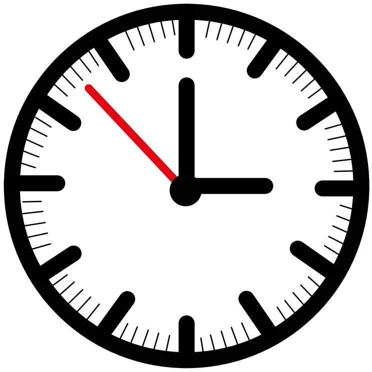
Zaman

الوقت

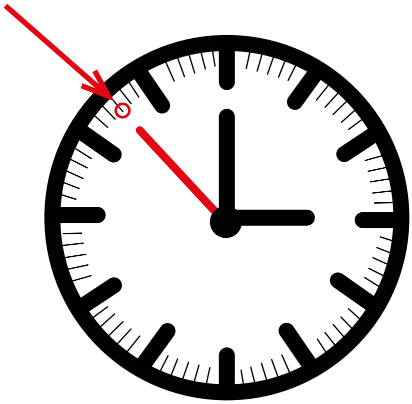
وقت

زمان

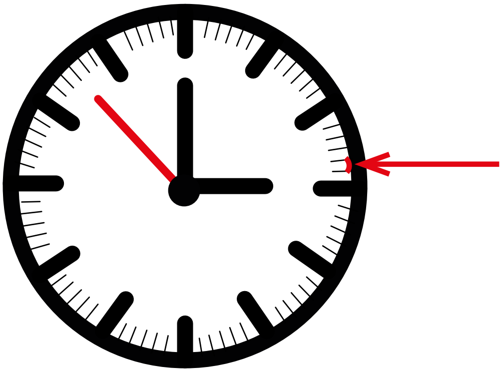
Greek:	Χρόνος
English:	Time
Turkish:	Zaman
Arabic:	الوقت
Urdu:	وقت
Farsi:	زمان



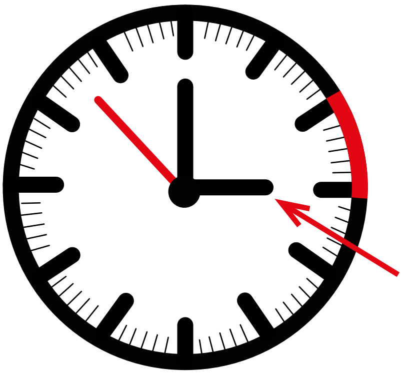
Greek:	Δευτερόλεπτο
English:	Second
Turkish:	Saniye
Arabic:	ثانية
Urdu:	سیکنڈ
Farsi:	ثانیه



Greek:	Λεπτό
English:	Minute
Turkish:	Dakika
Arabic:	دقيقة
Urdu:	منٹ
Farsi:	دقیقه



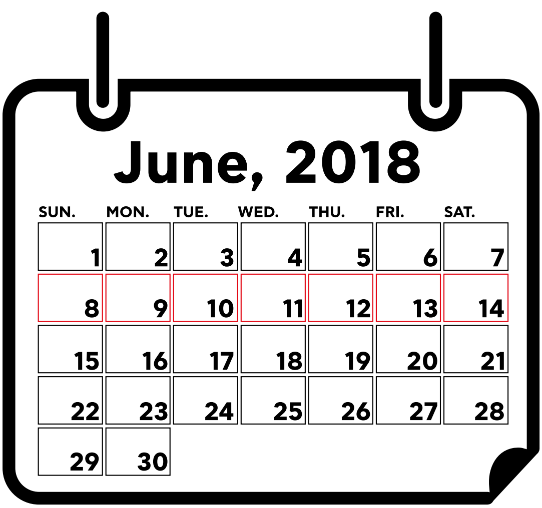
Greek:	Ώρα
English:	Hour
Turkish:	Saat
Arabic:	ساعة
Urdu:	گھنٹہ
Farsi:	ساعت

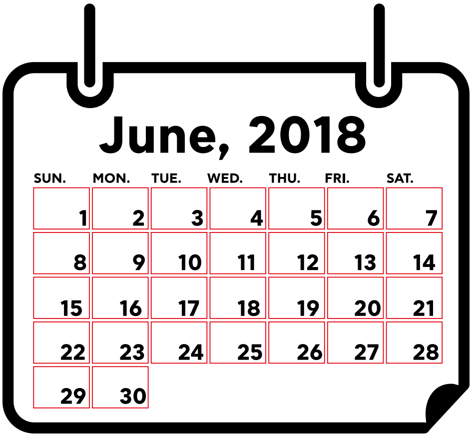




Greek:	Ημέρα
English:	Day
Turkish:	Gün
Arabic:	يوم
Urdu:	دن
Farsi:	روز

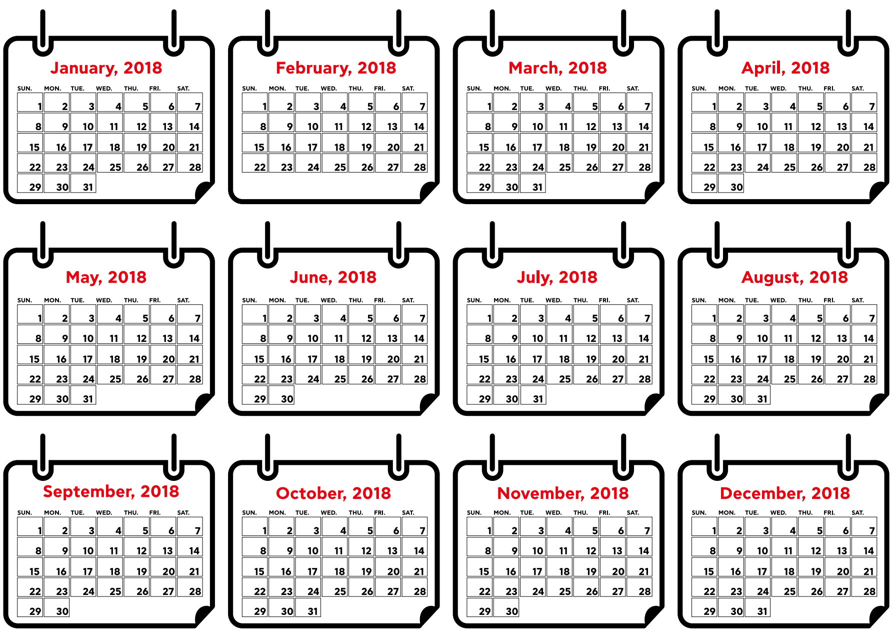
Greek:	Εβδομάδα
English:	Week
Turkish:	Hafta
Arabic:	أسبوع
Urdu:	ہفتہ
Farsi:	هفته





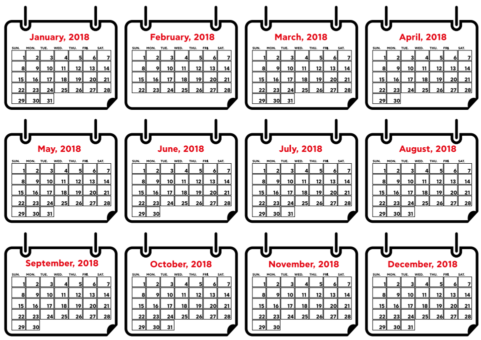
Greek:	Μήνας
English:	Month
Turkish:	Ay
Arabic:	شهر
Urdu:	مہینہ
Farsi:	ماه

Greek:	Έτος
English:	Year
Turkish:	Yıl
Arabic:	سنة
Urdu:	سال
Farsi:	سال



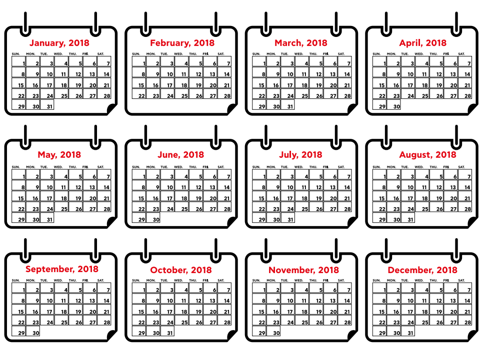
Greek:	Δεκαετία
English:	Decade
Turkish:	Onyıl
Arabic:	عقد
Urdu:	دس سال
Farsi:	ده سال

10 ×



Greek:	Αιώνας
English:	Century
Turkish:	Yüzyıl
Arabic:	قرن
Urdu:	صدی
Farsi:	قرن

100 ×



Τακτικοί αριθμοί
Tactical numbers
Düzenli sayılar
أرقام منتظمة
باقاعده | اعداد
اعداد ترتیبی

→

Greek:	Τακτικοί αριθμοί
English:	Tactical numbers
Turkish:	Düzenli sayılar
Arabic:	أرقام منتظمة
Urdu:	باقاعدہ ا عداد
Farsi:	اعداد ترتیبی



Greek:	Πρώτος
English:	First
Turkish:	Birinci
Arabic:	أول
Urdu:	پہلا
Farsi:	اولین



1st

Greek:	Δεύτερος
English:	Second
Turkish:	İkinci
Arabic:	ثاني
Urdu:	دوسرا
Farsi:	دومین



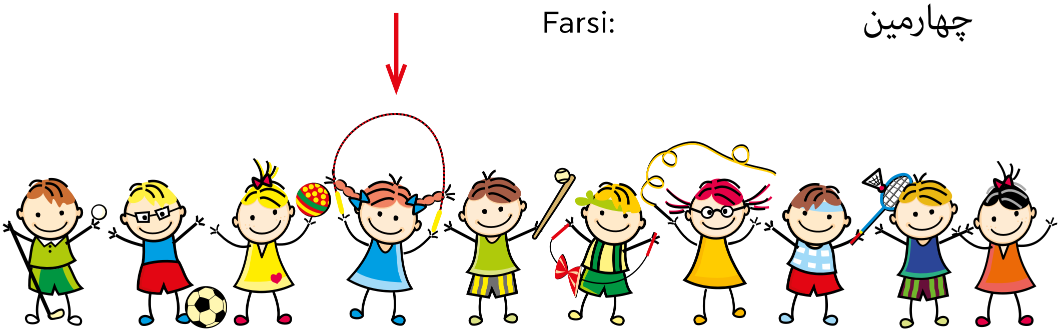
2nd

Greek:	Τρίτος
English:	Third
Turkish:	Üçüncü
Arabic:	ثالث
Urdu:	تیسرا
Farsi:	سومین



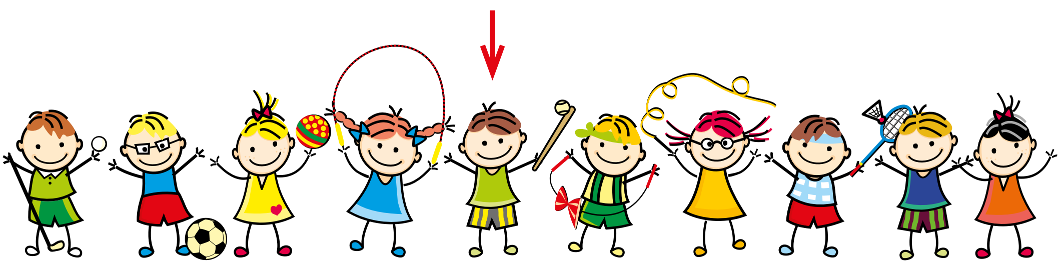
3rd

Greek:	Τέταρτος
English:	Fourth
Turkish:	Dördüncü
Arabic:	رابع
Urdu:	چوتھا
Farsi:	چهارمين



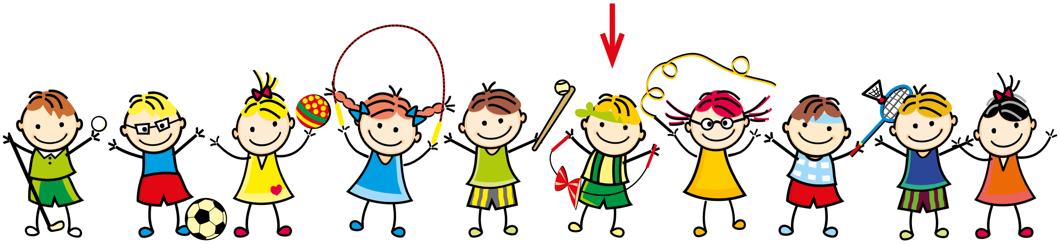
4th

Greek:	Πέμπτος
English:	Fifth
Turkish:	Beşinci
Arabic:	خامس
Urdu:	پانچواں
Farsi:	پنجمين



5th

Greek:	Έκτος
English:	Sixth
Turkish:	Altıncı
Arabic:	سادس
Urdu:	چھٹا
Farsi:	ششمین



6th

Greek:	Έβδομος
English:	Seventh
Turkish:	Yedinci
Arabic:	سابع
Urdu:	ساتواں
Farsi:	هفتمین



7th

Greek:	Όγδοος
English:	Eighth
Turkish:	Sekizinci
Arabic:	ثامن
Urdu:	آٹھواں
Farsi:	هشتمین



8th

Greek:	Ένατος
English:	Nineth
Turkish:	Dokuzuncu
Arabic:	تاسع
Urdu:	نواں
Farsi:	نهمین



9th

Greek:	Δέκατος
English:	Tenth
Turkish:	Onuncu
Arabic:	عاشر
Urdu:	دسواں
Farsi:	دهمين



10th

Greek:	Εκατοστός
English:	Hundredth
Turkish:	Yüzüncü
Arabic:	مئة
Urdu:	سوواں
Farsi:	صدمين



10 × 10=100th

Greek:	Χιλιοστός
English:	Thousandth
Turkish:	Bininci
Arabic:	ألف
Urdu:	ہزاروان
Farsi:	هزارمين

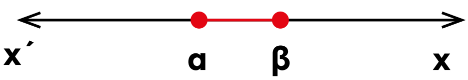
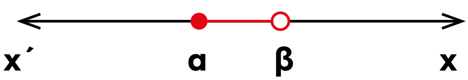
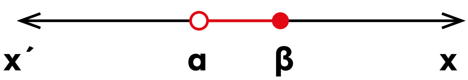
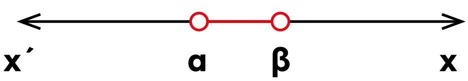
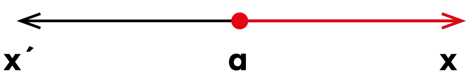
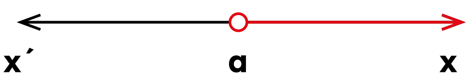
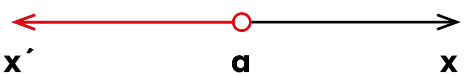


10 × 100=1000th

Διάταξη αριθμών
Numerical order
Sayısal sıralama
ترتيب الأرقام
اعدادکی ترتیب
ردیف شماره ها

→

Greek:	Διάταξη αριθμών
English:	Numerical order
Turkish:	Sayısal sıralama
Arabic:	ترتيب الأرقام/ ترتيب ترقيمي
Urdu:	اعدادکی ترتیب
Farsi:	ردیف شماره ها

Διάστημα Interval Boyut مجال خلاء فاصله	Ανισότητα Inequality Eşitsizlik عدم المساواة غير مساوى نابرابری	Συμβολισμός Notation Sembolleştirmek الترميز نشان نماد-نشانه
	$a \leq x \leq \beta$	[a,β]
	$a \leq x \leq \beta$	[a,β)
	$a < x \leq \beta$	(a,β]
	$a < x \leq \beta$	(a,β)
	$x \geq a$	[a,+∞)
	$x > a$	(a,+∞)
	$x \leq a$	(-∞,a]
	$x < a$	(-∞,a)

$$a \rightarrow \frac{1}{a}$$

Greek:	Αντίστροφος αριθμός
English:	Inverse
Turkish:	Tersi sayı
Arabic:	رقم عكسي
Urdu:	الٹا, اوندھا
Farsi:	عدد معکوس

Greek:	Ακολουθία
English:	Sequence
Turkish:	Takip eden sayılar
Arabic:	تسلسل
Urdu:	سلسلہ، تسلسل
Farsi:	دنباله

$$a_n = a_1 + (n-1)\omega$$

Greek:	Αύξουσα σειρά
English:	Increasing series
Turkish:	Artan sayı
Arabic:	ترتيب تصاعدي
Urdu:	چڑھتی ترتیب
Farsi:	ترتیب نزولی

$$-0{,}1 < 0{,}09 < 0{,}9 < 1 < 9 < 12{,}5$$

Greek:	Αριθμογραμμή
English:	Number line
Turkish:	Sayı çizgisi
Arabic:	خط الأعداد
Urdu:	عددی خط
Farsi:	خط شماره گذاری

01 ⟶ 100

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
41 42 43 44 45 46 47 48 49 50 51 53 53 54 55 56 57 58 59 60
61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Greek:	Φθίνουσα σειρά
English:	Decreasing series
Turkish:	Azalan düzen
Arabic:	ترتيب تنازلي
Urdu:	کم ہوتی ترتیب،گھٹتی ترتیب
Farsi:	ترتیب کاهشی

$$12,5 > 9 > 1 > 0,9 > 0,09 > -0,1$$

Greek:	Διαδοχικοί αριθμοί
English:	Consecutive/Successive numbers
Turkish:	Ardışık sayılar
Arabic:	الأرقام المتتالية
Urdu:	مسلسل اعداد
Farsi:	اعداد صحیح

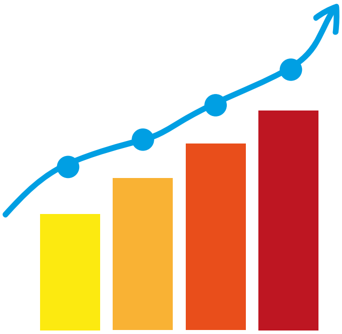
...3, 4, 5...

158,1 ⟶ 158
15,81 ⟶ 16
1,581 ⟶ 2

Greek:	Στρογγυλοποίηση
English:	Rounding off
Turkish:	Yuvarlatma
Arabic:	تقريب العدد
Urdu:	مکمل کے قریب کرنا
Farsi:	عمل گرد کردن

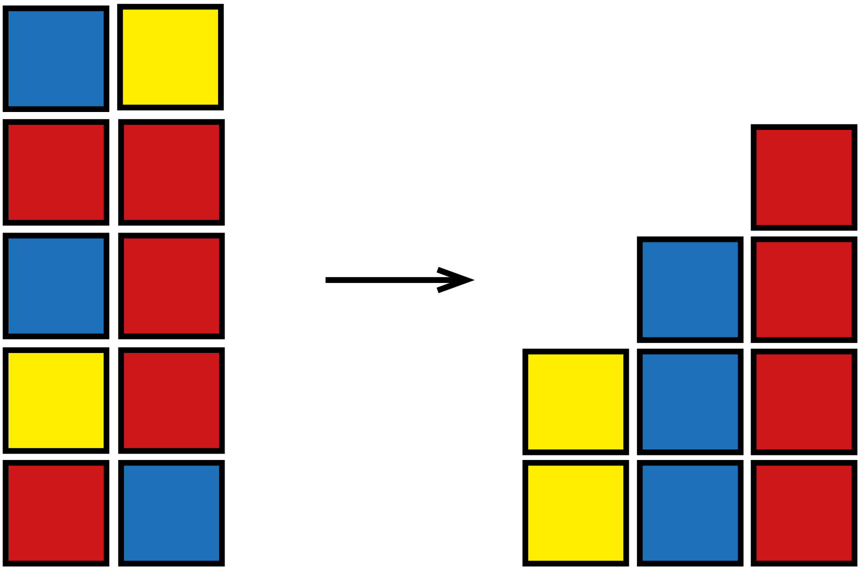
Greek:	Κατάταξη
English:	Tabulation
Turkish:	Sıralandırma
Arabic:	تصنيف
Urdu:	درجہ بندی، گروہوں
Farsi:	رده بندی





Greek:	Αύξηση
English:	Increase
Turkish:	Artış
Arabic:	زيادة
Urdu:	اضافہ
Farsi:	افزایش – صعود

Greek:	Ταξινόμηση
English:	Classification
Turkish:	Sınıflandırma
Arabic:	ترتيب/ التصنيف
Urdu:	زمرہ بندی
Farsi:	دسته بندی



Ισότητα
Equality
Eşitlik
مساواة
مساوات، برابری
تساوی

−2 vs 2

Greek:	Σύγκριση
English:	Comparison
Turkish:	Karşılaştırma
Arabic:	مقارنة
Urdu:	موازنه
Farsi:	مقایسه

−2 vs −2

Greek:	Ίδιο
English:	Same
Turkish:	Aynı
Arabic:	نفسه
Urdu:	ایک جیسا
Farsi:	یک مقدار-یک چیز

−2 vs +2

Greek:	Διαφορετικό
English:	Different
Turkish:	Farklı
Arabic:	مختلف
Urdu:	مختلف
Farsi:	متفاوت

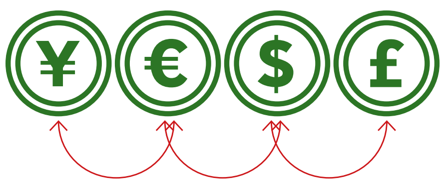


Greek:	Ίσα μέρη
English:	Congruent parts
Turkish:	Eşit parçalar
Arabic:	أجزاء متساوية
Urdu:	برابر حصے
Farsi:	قطعات مساوی

2+2=3+1

Greek:	Ισότητα
English:	Equality
Turkish:	Eşitlik
Arabic:	مساواة
Urdu:	مساوات، برابری
Farsi:	تساوی

Greek:	Ισοτιμία
English:	Congruence
Turkish:	Eşdeğer
Arabic:	ما يعادل
Urdu:	مترادف
Farsi:	هم مقدار-هم ارزش



Μαθηματικά όργανα

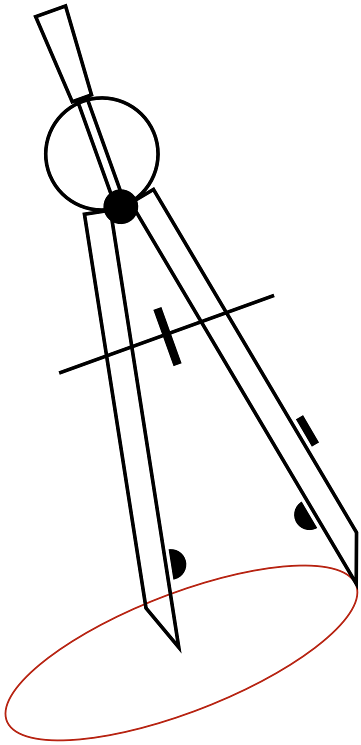
Mathematical instruments

Matematiksel araçlar

أدوات هندسية

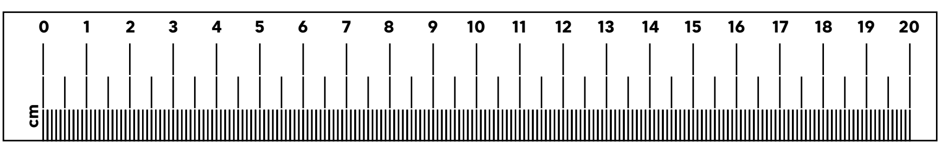
ریاضیاتی آلات

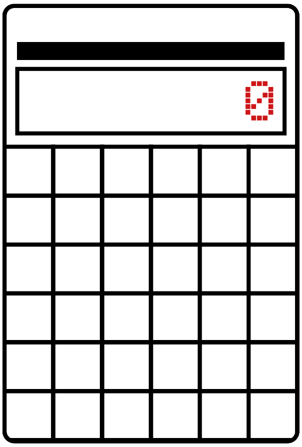
ابزارهای ریاضیات



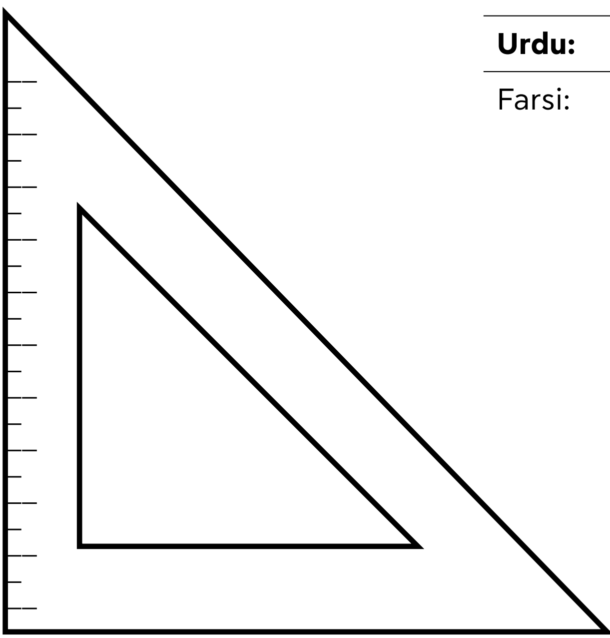
Greek:	Διαβήτης
English:	Compass
Turkish:	Pergel
Arabic:	الفرجار
Urdu:	پرکار
Farsi:	پرگار

Greek:	Χάρακας
English:	Ruler
Turkish:	Cetvel
Arabic:	مسطرة
Urdu:	فٹا، پیمائش کا آلہ
Farsi:	خط کش



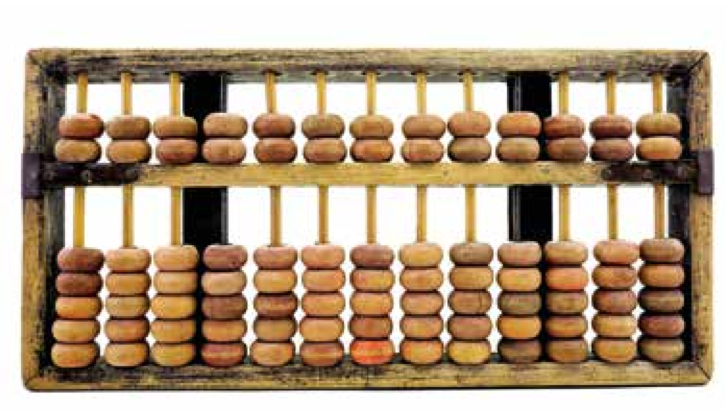


Greek:	Αριθμομηχανή
English:	Calculator
Turkish:	Hesap makinesi
Arabic:	آلة حاسبة
Urdu:	کیلکولیٹر
Farsi:	ماشین حساب

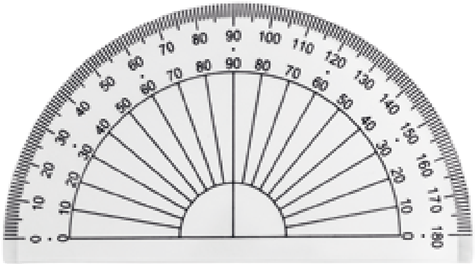


Greek:	Γνώμονας
English:	Set square
Turkish:	Ölçüt
Arabic:	مثلث
Urdu:	زاویے دار فٹا
Farsi:	گونیا

Greek:	Αριθμητήριο
English:	Abacus
Turkish:	Abaküs
Arabic:	المعداد
Urdu:	گنتارا ، گنتی سکھانے کا آلہ
Farsi:	چتکه



Greek:	Μοιρογνωμόνιο
English:	Protractor
Turkish:	Açı ölçer
Arabic:	منقلة
Urdu:	زاویہ کش
Farsi:	نقاله



Ασκήσεις
Exercises
Alıştırmalar
تمارين
مشقیں
تمرین ها

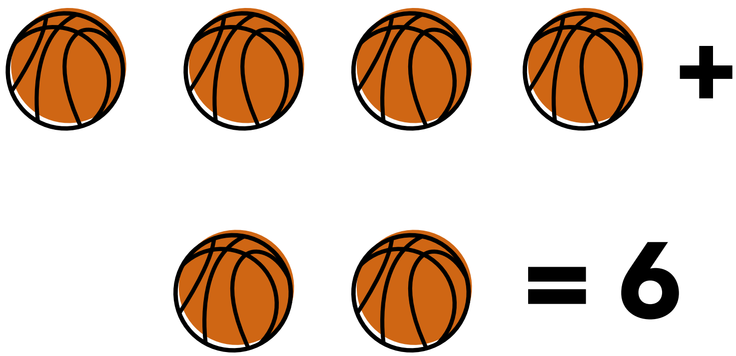
Greek:	Πρόβλημα
English:	Problem
Turkish:	Problem
Arabic:	مشكلة حسابية او مسألة حسابية
Urdu:	مسئلہ
Farsi:	صورت مسئله

$$\alpha\beta+\beta\gamma\div 2=?$$

Greek:	Ζητούμενο
English:	Question, goal
Turkish:	İstenen sayı
Arabic:	المطلوب
Urdu:	مطلُوبہ
Farsi:	مجهول-خواسته



Greek:	Αποτέλεσμα
English:	Result
Turkish:	Netice
Arabic:	نتيجة
Urdu:	نتیجہ
Farsi:	نتیجه-جواب



Greek:	Αντιστοίχιση
English:	Matching
Turkish:	Eşlelştirme
Arabic:	المطابق
Urdu:	موافقت ، تناسب
Farsi:	برابر

1	**i**
2	**ii**
3	**iii**
4	**iv**
5	**v**
6	**vi**
7	**vii**

Greek:	Μετρώ
English:	Count
Turkish:	Sayıyorum
Arabic:	أعد
Urdu:	پیمائش, گننا
Farsi:	شمردن



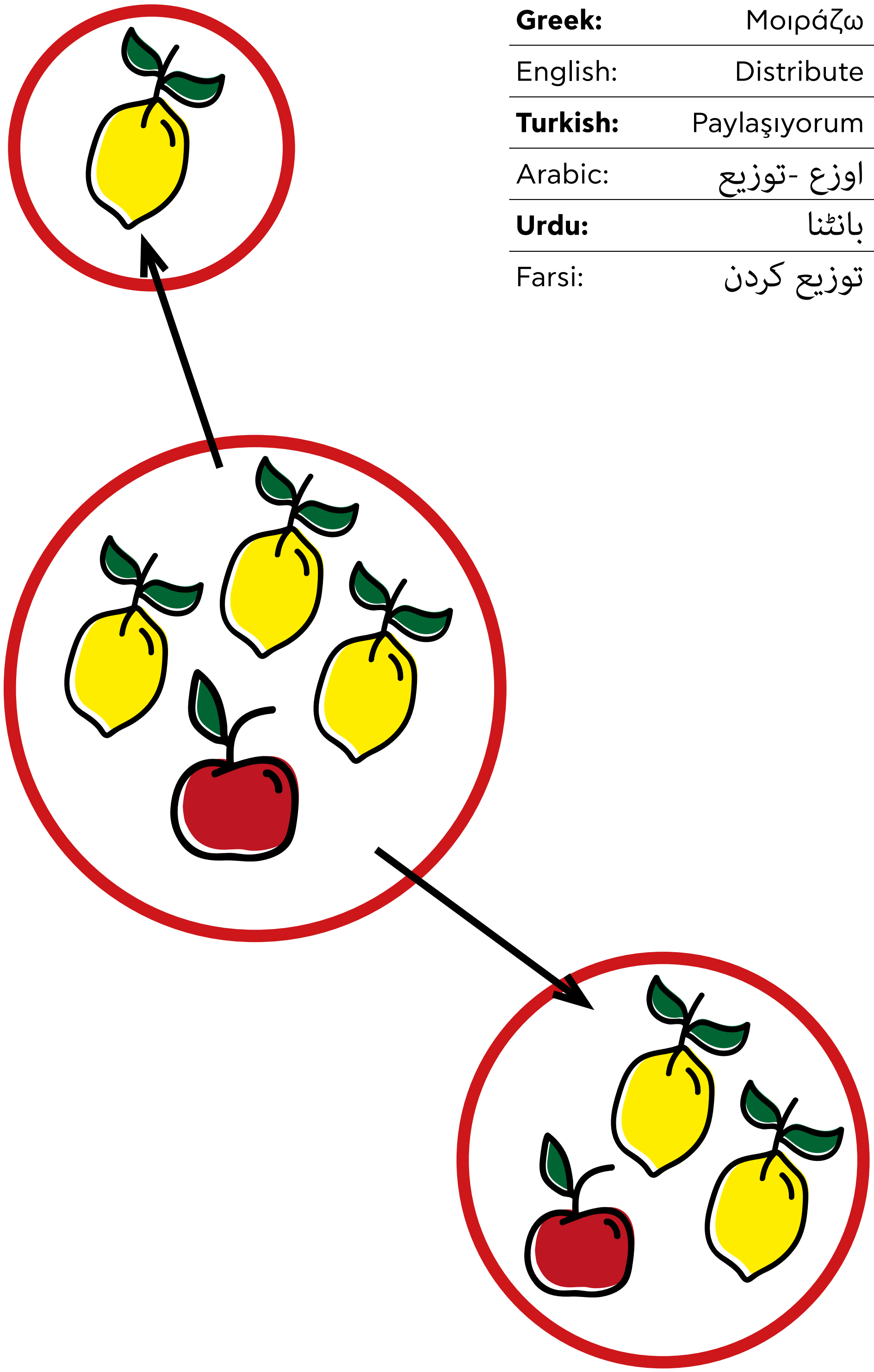








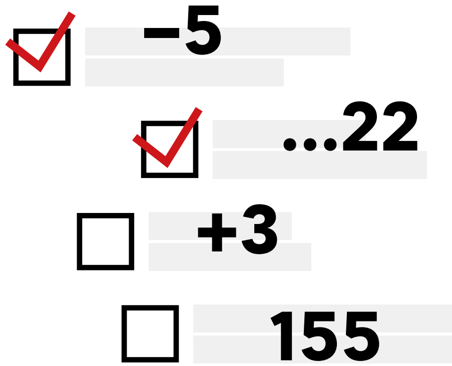
Greek:	Μοιράζω
English:	Distribute
Turkish:	Paylaşıyorum
Arabic:	اوزع -توزيع
Urdu:	بانٹنا
Farsi:	توزیع کردن



Greek:	Δεδομένο
English:	Premise, (pl. data)
Turkish:	Bilinen
Arabic:	معطيات
Urdu:	مواد
Farsi:	داده-معلوم



Greek:	Επαλήθευση
English:	Check
Turkish:	Doğrulama
Arabic:	تحقق
Urdu:	تصدیق
Farsi:	تائید-تصدیق



Greek:	Λύση
English:	Solution
Turkish:	Çözüm
Arabic:	حل
Urdu:	حل
Farsi:	حل-جواب



Greek:	Αντικαθιστώ
English:	Replace
Turkish:	Yerine koymak
Arabic:	استبدل
Urdu:	تبدیل کرنا
Farsi:	جایگزین کردن

$$2x+1=5$$

$$x=2$$

$$2(2)+1=5$$

Greek:	Προσθέτω
English:	Add
Turkish:	Topluyorum
Arabic:	أجمع
Urdu:	جمع کرنا
Farsi:	جمع کردن

$$2+3=5$$

Greek:	Αφαιρώ
English:	Subtract
Turkish:	Çıkarıyorum
Arabic:	أطرح
Urdu:	تفریق کرنا
Farsi:	تفریق کردن

$$5-3=2$$

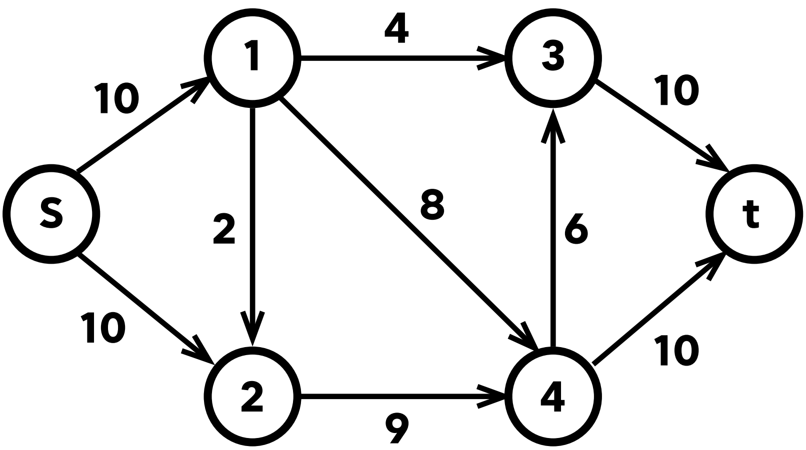
Greek:	Πολλαπλασιάζω
English:	Multiply
Turkish:	Çarpıyorum
Arabic:	أضرب
Urdu:	ضرب دینا
Farsi:	ضرب کردن

$$2 \times 3 = 6$$

Greek:	Διαιρώ
English:	Divide
Turkish:	Bölüyorum
Arabic:	أقسّم
Urdu:	تقسیم کرنا
Farsi:	تقسیم کردن

$$6 \div 3 = 2$$

Greek:	Αλγόριθμος
English:	Algorithm
Turkish:	Algoritima
Arabic:	خوارزمية
Urdu:	الگورتھم، حساب و شمار کا عمل
Farsi:	الگریتم



Greek:	Συμπλήρωμα
English:	Complement
Turkish:	Tümleyen
Arabic:	إضافة
Urdu:	اضافی مواد
Farsi:	مکمل

10+4=14

Πρόσθεση

Addition

Toplama

عملية الجمع

جمع كرنا

جمع (عمل جمع)

$$a + b = c$$

Greek:	Πρόσθεση
English:	Addition
Turkish:	Toplama
Arabic:	عملية الجمع
Urdu:	جمع کرنا
Farsi:	جمع (عمل جمع)

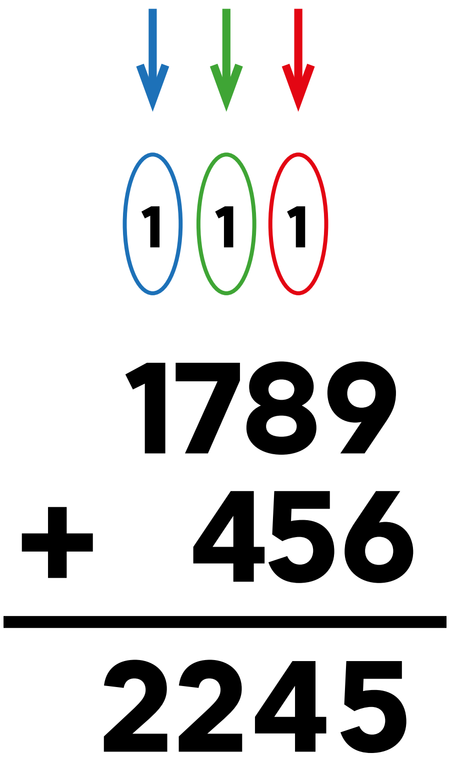
$$a + b = c$$

Greek:	Άθροισμα
English:	Sum
Turkish:	Toplam
Arabic:	المجموع
Urdu:	قُل، جمع
Farsi:	مجموع (حاصل جمع)

$$a + b = c$$

Greek:	Προσθετέος
English:	Summand
Turkish:	Toplanan
Arabic:	الاضافي
Urdu:	اضافہ
Farsi:	جمع وند

Greek:	Κρατούμενο
English:	Carry
Turkish:	Elde kalan
Arabic:	حمل
Urdu:	حاصل عدد
Farsi:	بر دست



جمع (عمل جمع)   جمع کرنا   عملية الجمع

Αφαίρεση
Subtraction
Çıkarma
عملية الطرح
تفريق
عمل تفريق

Greek:	Αφαίρεση
English:	Subtraction
Turkish:	Çıkarma
Arabic:	عملية الطرح
Urdu:	تفریق
Farsi:	عمل تفریق

$$\alpha - \beta = \gamma$$

Greek:	Διαφορά
English:	Difference
Turkish:	Fark
Arabic:	الفرق
Urdu:	مختلف, فرق
Farsi:	حاصل تفریق

$$\alpha - \beta = \gamma$$

$$\alpha - \beta = \gamma$$

Greek:	Αφαιρετέος
English:	Subtrahend
Turkish:	Çıkan
Arabic:	المطروح
Urdu:	تفریق ہونے والا عدد ،جسے گھٹنا ہو
Farsi:	کاهسته

Greek:	Μειωτέος
English:	Minuend
Turkish:	Eksilen
Arabic:	مختزل
Urdu:	عدد جس سے دوسرا عدد تفریق کیا جائے
Farsi:	کاهش یاب

$$\alpha - \beta = \gamma$$

Πολλαπλασιασμός
Multiplication
Çarpma
عملية الضرب
ضرب
عمل ضرب

$$\alpha \times \beta = \gamma$$

Greek:	Πολλαπλασιασμός
English:	Multiplication
Turkish:	Çarpma
Arabic:	عملية الضرب
Urdu:	ضرب
Farsi:	عمل ضرب

$$\alpha \times \beta = \gamma$$

Greek:	Γινόμενο
English:	Product
Turkish:	Çarpım
Arabic:	النتيجة
Urdu:	حاصل ضرب
Farsi:	حاصلضرب

$$\begin{array}{r} {}^{2}69 \\ \times\ 3 \\ \hline 207 \end{array}$$

Greek:	Κρατούμενο
English:	Carry
Turkish:	Elde kalan
Arabic:	حمل
Urdu:	حاصل عدد
Farsi:	بر دست

Greek:	Χιαστί
English:	Cross multiplication
Turkish:	Çapraz çarpım
Arabic:	الضرب التبادلي
Urdu:	کراس سے
Farsi:	خاصیت طرفین -وسطین

$$\frac{4}{2} = \frac{16}{8} \qquad 4 \cdot 8 = 2 \cdot 16$$

Greek:	Πρώτος αριθμός
English:	Prime number
Turkish:	Asal sayı
Arabic:	الرقم الأول
Urdu:	مفرد عدد
Farsi:	عدد اول

$$\{1, 2, 3, 5, 7, 11, 13, 17, 19, 23, 29....\}$$

$$7 = 7 \times 1$$
$$11 = 11 \times 1$$

Greek:	Σύνθετος αριθμός
English:	Composite number
Turkish:	Bileşik sayı
Arabic:	الرقم المركب الأول
Urdu:	مفرد مرکب عدد
Farsi:	ترکیب شماره ها

{4, 6, 8, 9, 10, 12, 14, 15, 16, 18, 20,....}

$$4=2\times 2$$
$$6=2\times 3$$

$$\alpha, \beta = \frac{\alpha + \beta}{2}$$

$$\alpha, \beta, \gamma = \frac{\alpha + \beta + \gamma}{3}$$

Greek:	Μέσος όρος
English:	Mean
Turkish:	Ortalama
Arabic:	المعدل المتوسط
Urdu:	اوسط
Farsi:	میانگین

Greek:	Πολλαπλάσιο
English:	Multiple
Turkish:	Kat
Arabic:	مضاعف
Urdu:	اضعاف
Farsi:	ضریب

$$a: \{a\cdot 1, a\cdot 2, a\cdot 3, a\cdot 4, \ldots, a\cdot n\}, n \in \mathbb{R}$$

عمل ضرب ضرب عملية الضرب

Greek:	Προπαίδεια
English:	Multiplication table
Turkish:	Çarpım tablosu
Arabic:	جدول الضرب
Urdu:	پہاڑہ، فہرست
Farsi:	جدول ضرب

1	2	3	4	5	6	7	8	9	10
1×1=1	2×1=2	3×1=3	4×1=4	5×1=5	6×1=6	7×1=7	8×1=8	9×1=9	10×1=10
1×2=2	2×2=4	3×2=6	4×2=8	5×2=10	6×2=12	7×2=14	8×2=16	9×2=18	10×2=20
1×3=3	2×3=6	3×3=9	4×3=12	5×3=15	6×3=18	7×3=21	8×3=24	9×3=27	10×3=30
1×4=4	2×4=8	3×4=12	4×4=16	5×4=20	6×4=24	7×4=28	8×4=32	9×4=36	10×4=40
1×5=5	2×5=10	3×5=15	4×5=20	5×5=25	6×5=30	7×5=35	8×5=40	9×5=45	10×5=50
1×6=6	2×6=12	3×6=18	4×6=24	5×6=30	6×6=36	7×6=42	8×6=48	9×6=54	10×6=60
1×7=7	2×7=14	3×7=21	4×7=28	5×7=35	6×7=42	7×7=49	8×7=56	9×7=63	10×7=70
1×8=8	2×8=16	3×8=24	4×8=32	5×8=40	6×8=48	7×8=56	8×8=64	9×8=72	10×8=80
1×9=9	2×9=18	3×9=27	4×9=36	5×9=45	6×9=54	7×9=63	8×9=72	9×9=81	10×9=90
1×10=10	2×10=20	3×10=30	4×10=40	5×10=50	6×10=60	7×10=70	8×10=80	9×10=90	10×10=100

Greek:	Ελάχιστο κοινό πολλαπλάσιο
English:	Least common multiple
Turkish:	En küçük ortak kat
Arabic:	الادنى المشترك المضاعف
Urdu:	ذواضعاف اقل
Farsi:	کوچکترین ضریب مشترک

3 6 9 12 15 18 21 24 27 30

4 8 12 16 20 24 28 32 36 40

144	**3**
48	**3**
16	**2**
8	**2**
4	**2**
2	**2**
1	

Greek:	Γινόμενο πρώτων παραγόντων
English:	Product of prime factors
Turkish:	Asal çarpanlara ayırma
Arabic:	نتائج العوامل الاولى
Urdu:	مفرد اجزائے ضربی معلوم کرنا
Farsi:	عوامل فاکتور اول

Greek:	Αριθμητική παράσταση
English:	Expression
Turkish:	Sayısal ifade
Arabic:	نظرية التمثيل
Urdu:	نمائندگی
Farsi:	عبارت جبری

$$2\cdot(17-42)-3\cdot52+(3\cdot2+4)\cdot(4-6)+3:(5-2\cdot7+8)$$

عمل ضرب ضرب عملية الضرب

Διαίρεση

Division

Bölme

عملية القسمة

تقسيم

عمل تقسيم

$$a:b=c$$

$$\begin{array}{c|c} a & b \\ \cline{2-2} & c \end{array}$$

Greek:	Διαίρεση
English:	Division
Turkish:	Bölme
Arabic:	عملية القسمة
Urdu:	تقسیم
Farsi:	عمل تقسیم

$$a:b=c$$

$$\begin{array}{c|c} a & b \\ \cline{2-2} & c \end{array}$$

Greek:	Πηλίκο
English:	Quotient
Turkish:	Bölüm
Arabic:	ناتج قسمة
Urdu:	تقسیم کا نتیجہ
Farsi:	خارج قسمت

$$a:b=c$$

$$\begin{array}{c|c} a & b \\ \cline{2-2} & c \end{array}$$

Greek:	Διαιρέτης
English:	Divisor
Turkish:	Bölen
Arabic:	المقسوم
Urdu:	تقسیم کرنے والا عدد
Farsi:	مقسوم علیه

$$a:b=c$$

$$\begin{array}{r|l} a & b \\ \cline{2-2} & c \end{array}$$

Greek:	Διαιρετέος
English:	Dividend
Turkish:	Bölünen
Arabic:	المقسوم عليه
Urdu:	تقسیم کے قابل
Farsi:	مقسوم شونده

$$c \cdot b + u = a$$

$$\begin{array}{r|l} a & b \\ \cline{2-2} u & c \end{array}$$

Greek:	Υπόλοιπο
English:	Excess
Turkish:	Kalan
Arabic:	الباقي
Urdu:	نتیجہ
Farsi:	باقیمانده

$$c \cdot b + 0 = a$$

$$\begin{array}{r|l} a & b \\ \cline{2-2} 0 & c \end{array}$$

Greek:	Τέλεια διαίρεση
English:	Exact division
Turkish:	Kalansız bölme
Arabic:	تقسيم مثالي
Urdu:	مکمل تقسیم
Farsi:	وقتی که باقیمانده عمل تقسیم صفر است

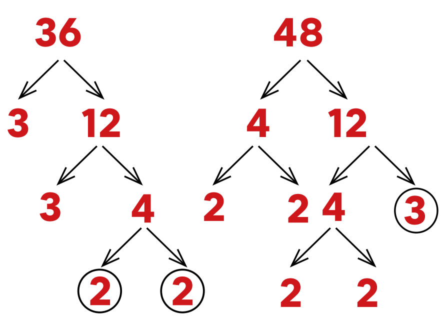
$$a \cdot b + u = c$$

$$\begin{array}{c|c} a & b \\ \cline{2-2} u & c \end{array}$$

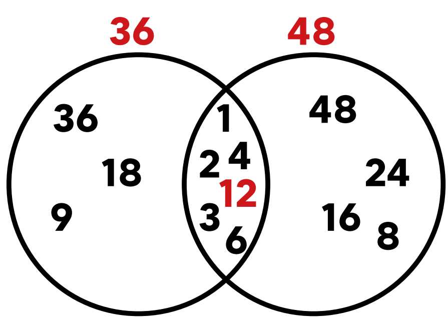
$$u > 0$$

Greek:	Ατελής διαίρεση
English:	Division with remainders
Turkish:	Kalanlı bölme
Arabic:	تقسيم غير كامل
Urdu:	نامکمل تقسیم
Farsi:	وقتی که باقیمانده عمل تقسیم صفر نیست

Greek:	Μέγιστος κοινός διαιρέτης
English:	Greatest common divisor
Turkish:	En büyük ortak bölen
Arabic:	الحد الاقصى المشترك المقسوم
Urdu:	عاد اعظم
Farsi:	بزرگترین مقسوم علیه مشترک



$3 \times 2 \times 2 = 12$



M.K.Δ. (36, 48)=12

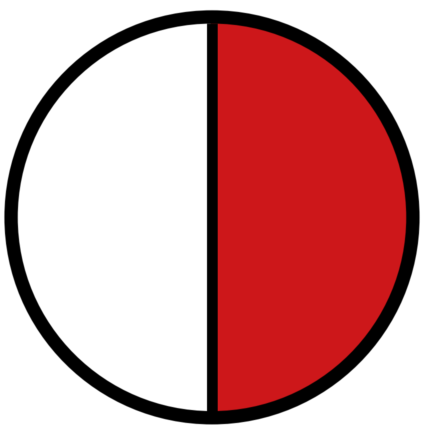
Κλάσματα & δεκαδικοί
Fractions & decimal numbers
Kesirler ve ondalık sayılar
الأعداد الكسرية و العشرية
کسریں اور اعشاریہ اعداد
کسر ها و اعداد اعشاری

Greek:	Αντίστροφο κλάσμα
English:	Inverse fraction
Turkish:	Ters fraksiyon
Arabic:	الكسر المعكوس
Urdu:	الٹ کسر
Farsi:	کسر معکوس

$$\frac{\alpha}{\beta} \qquad \frac{\beta}{\alpha}$$

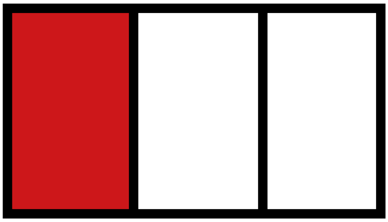
Greek:	Ένα δεύτερο
English:	One second
Turkish:	İkide bir
Arabic:	نصف
Urdu:	آدھا, نصف
Farsi:	یک دوم

$$\frac{1}{2}$$



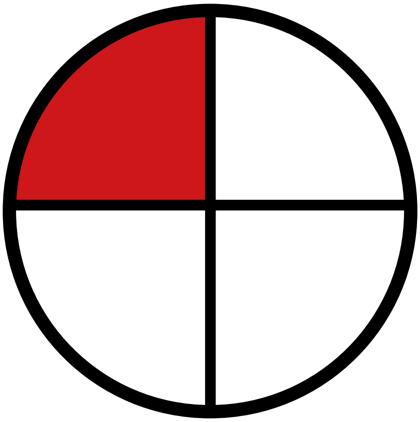
Greek:	Ένα τρίτο
English:	One third
Turkish:	Üçte bir
Arabic:	ثلث
Urdu:	تیسرا حصہ
Farsi:	یک سوم

$$\frac{1}{3}$$



Greek:	Ένα τέταρτο
English:	One fourth
Turkish:	Dörtte bir
Arabic:	ربع
Urdu:	کوارٹر، ایک چوتھائی
Farsi:	یک چهارم

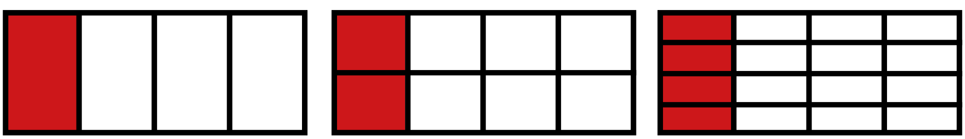
$$\frac{1}{4}$$



$$\frac{a}{\beta}$$

Greek:	Αριθμητής/παρονομαστής
English:	Numerator/denominator
Turkish:	Pay/payda
Arabic:	البسط/ المقام
Urdu:	شمار کننده/ نسب ناما
Farsi:	صورت کسر/ مخرج کسر

Greek:	Ισοδύναμα κλάσματα
English:	Equivalent fractions
Turkish:	Eşdeğer kesirler
Arabic:	الكسر المعادل
Urdu:	مترادف کسرین
Farsi:	کسرهای معادل(مساوی)



$$\frac{1}{4} = \frac{2}{8} = \frac{4}{16}$$

Greek:	Ομώνυμα κλάσματα
English:	Similar fractions
Turkish:	Eş paydalı kesirler
Arabic:	الكسور المتشابهة
Urdu:	مماثل کسریں
Farsi:	کسرهایی که مخرجهایشان مساوی هستند

$$\frac{\varepsilon}{\beta} \quad \frac{\alpha}{\beta} \quad \frac{\gamma}{\beta}$$

Greek:	Ετερώνυμα κλάσματα
English:	Unlike fractions
Turkish:	Paydası farklı olan kesirler
Arabic:	الكسور الغير متشابهة
Urdu:	ہیٹرونائمس کسریں
Farsi:	کسرهایی که هم صورت و هم مخرج متفاوت دارند

$$\frac{\varepsilon}{\alpha} \quad \frac{\alpha}{\zeta} \quad \frac{\gamma}{\beta}$$

$$\frac{a}{10}$$

Greek:	Δεκαδικά κλάσματα
English:	Decimal fractions
Turkish:	Ondalık kesirlerr
Arabic:	الكسور العشرية
Urdu:	اعشاریہ کسر
Farsi:	کسر اعشاری

Greek:	Δεκαδικός αριθμός
English:	Decimal number
Turkish:	Ondalık sayı
Arabic:	الرقم العشري
Urdu:	اعشاریہ عدد
Farsi:	عدد اعشاری

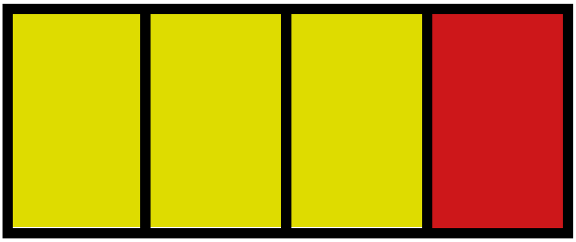


Greek:	Αναλογία
English:	Ratio
Turkish:	Kıyaslama
Arabic:	نسبة
Urdu:	تناسب
Farsi:	نسبت

Αν έχουμε δύο μεταβλητές x και y, το y είναι άμεση αναλογία τού x όταν υπάρχει μια σταθερά k τέτοια ώστε

$$y=kx$$

Greek:	Λόγος
English:	Ratio
Turkish:	Neden
Arabic:	نسبة
Urdu:	وجہ
Farsi:	کسر



3 : 1

Greek:	Μεικτός αριθμός
English:	Mixed number
Turkish:	Karışık sayı
Arabic:	رقم مختلط
Urdu:	مخلوط عدد
Farsi:	عدد مختلط

$$4\frac{2}{5}$$

Greek:	Απλοποίηση
English:	Cancellation
Turkish:	Sadeleştirmeı
Arabic:	تبسيط
Urdu:	سادہ کرنا
Farsi:	ساده کردن

:3

$$\frac{45}{120}=\frac{15}{40}=\frac{3}{8}$$

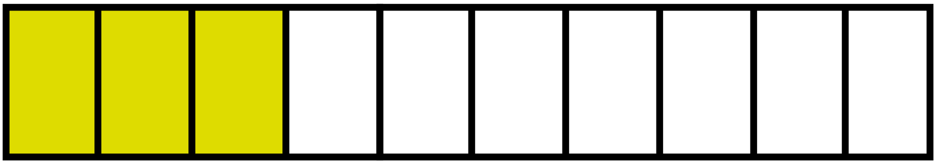
:5

Greek:	Ανάγωγο κλάσμα
English:	Fraction in its lowest terms
Turkish:	Azaltma oranı
Arabic:	الكسر الغير اعتيادي
Urdu:	کسر جو گھٹایا نہ جاسکے
Farsi:	کسری که صورت و مخرجش قابل تقسیم به عددی نباشد

$$\frac{4}{5}, \frac{1}{2}, \frac{3}{7}, \frac{91}{17}$$

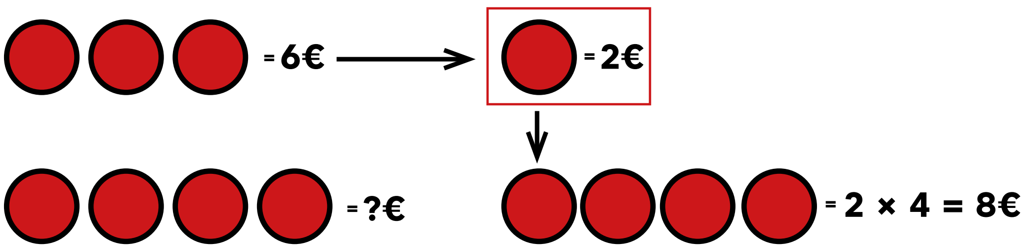
$$\frac{\alpha}{\beta} : \text{ΜΚΔ } (\alpha,\beta)=1$$

Greek:	Ποσοστό
English:	Percentage
Turkish:	Yüzde
Arabic:	معدل
Urdu:	فیصد
Farsi:	درصد



30%

Greek:	Αναγωγή στη μονάδα
English:	Unit rate method
Turkish:	Üniteye indirgeme
Arabic:	وحدات اعتيادية
Urdu:	یونٹ میں کمی
Farsi:	روش یک به فرض



Δυνάμεις

Exponentiation

Kuvvetler

القوى

طاقت

توان

Greek:	Δυνάμεις
English:	Exponentiation
Turkish:	Kuvvetler
Arabic:	القوى
Urdu:	طاقت
Farsi:	توان

$$a^v$$

Greek:	Βάση & εκθέτης
English:	Base & exponent
Turkish:	Temel & üs
Arabic:	أساس / الأس
Urdu:	بنیاد ، قاعده/ طاقت نما
Farsi:	پایه/ توان



Greek:	Στο τετράγωνο
English:	Squaring
Turkish:	Dört köseli
Arabic:	مربع العدد
Urdu:	کا مربع
Farsi:	به توان دو

$$a^2$$

Greek:	Στον κύβο
English:	Cubed
Turkish:	Küpte
Arabic:	مكعب العدد
Urdu:	کا مکعب
Farsi:	به توان سه

$$a^3$$

Εξισώσεις
Equations
Denklemler
معادلة
مساواتیں
معادله ها

$$a \cdot x + b = c$$

Greek:	Εξισώσεις
English:	Equations
Turkish:	Denklemler
Arabic:	معادلة
Urdu:	مساوتیں
Farsi:	معادله ها

Greek:	Μεταβλητή/άγνωστος
English:	Variable
Turkish:	Değişken
Arabic:	متغير / غير معروف
Urdu:	متغیر / نامعلوم
Farsi:	متغیر / نامعلوم

$$a \cdot x + b = c$$

$$W = m \cdot g$$

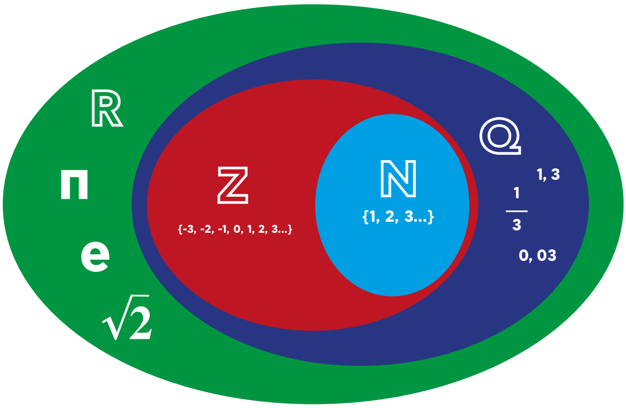
$$\Pi = 2 \cdot \pi \cdot R$$

$\pi = 3,14$

Greek:	Σταθερά
English:	Constant
Turkish:	Statik
Arabic:	ثابت
Urdu:	مستقل
Farsi:	ثابت – تغییرناپذیر

Αριθμοί
Numbers
Sayılar
أرقام
نمبرز ، اعداد، ہندسے
اعداد

Greek:	Άρρητοι αριθμοί
English:	Irrational numbers
Turkish:	İrrasyonel sayılar
Arabic:	الأعداد غير الكسرية
Urdu:	غیر ناطق عدد
Farsi:	عدد غیر صریح



Greek:	Μιγαδικός αριθμός
English:	Complex number
Turkish:	Karmaşık sayı
Arabic:	عدد مركب
Urdu:	مرکبہ عدد
Farsi:	عدد مختلط

$$z=a\cdot i+b$$

$$i^2=-1$$

Ιδιότητες
Properties
Özellikler
خصائص
خاصيت
خاصيت ها

Greek:	Αντιμεταθετική ιδιότητα
English:	Commutative property
Turkish:	Geçişli özellik
Arabic:	العلية التبادلية
Urdu:	خاصیت مبادلہ
Farsi:	خاصیت جابجایی

$$a \cdot x = x \cdot a$$

$$a + x = x + a$$

Greek:	Προσεταιριστική ιδιότητα
English:	Associative property
Turkish:	Üyelik özelliği
Arabic:	العملية الترابطية
Urdu:	خاصیت تلازم
Farsi:	خاصیت توزیع پذیری

$$(a+\beta)+\gamma = a+(\beta+\gamma)$$

$$(a \cdot \beta) \cdot \gamma = a \cdot (\beta \cdot \gamma)$$

Greek:	Επιμεριστική ιδιότητα
English:	Distributive property
Turkish:	Yardımcı özellik
Arabic:	العملية التوزيعية
Urdu:	خاصیت تقسیمی
Farsi:	خاصیت شرکت پذیری

$$\alpha \cdot (\beta + \gamma) = \alpha \cdot \beta + \alpha \cdot \gamma$$

Γενικά

General

Genel

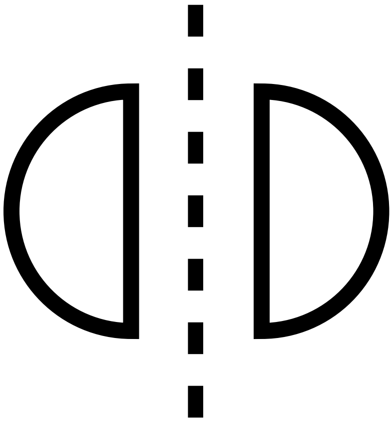
بشكل عام

عمومی

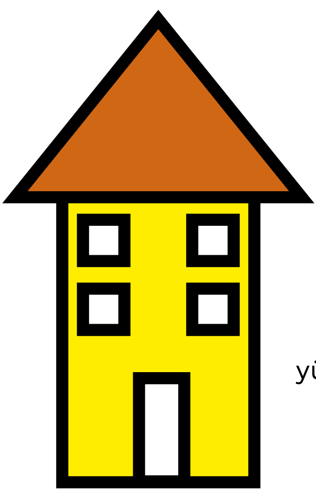
کلی

Greek:	Συμμετρία
Αγγλικά:	Symmetry
Turkish:	Simetri
Arabic:	التناظر
Urdu:	تشاکل، تناسب
Farsi:	قرينه-تقارن

άξονας συμμετρίας
axis of symmetry
simetri ekseni
محور التناظر
تناسب کے محور
محور تقارن

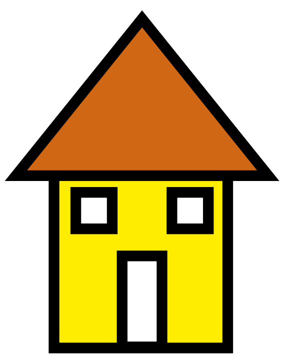


Greek:	Ύψος
Αγγλικά:	Height
Turkish:	Yükseklik
Arabic:	الارتفاع
Urdu:	اونچائی
Farsi:	ارتفاع

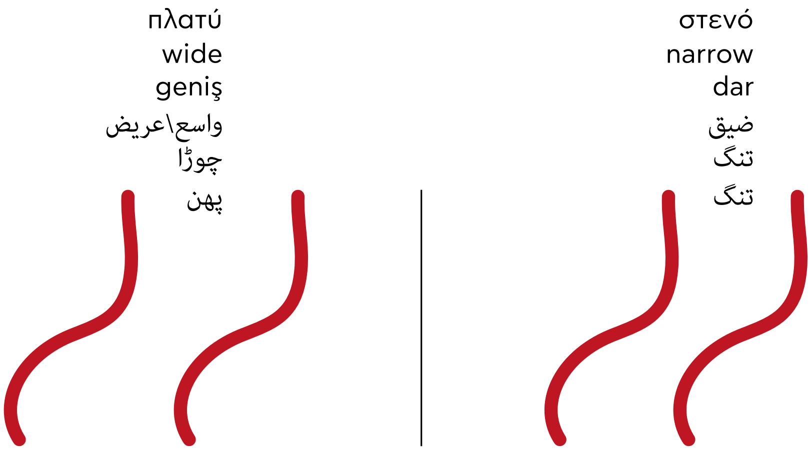


ψηλό
high
yüksek
طويل
لمبا
بلند

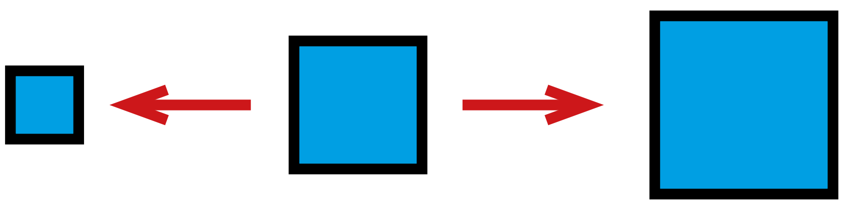
χαμηλό
low
kısa
منخفض
نچلا/کم
کوتاه



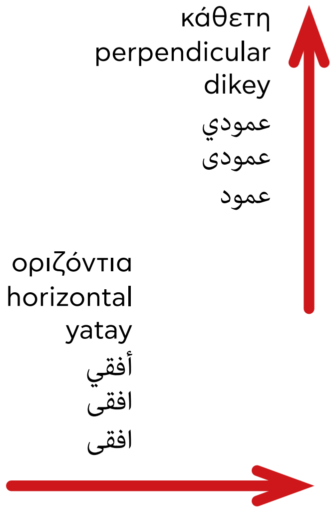
Greek:	Πλάτος
Αγγλικά:	Width
Turkish:	Genişlik
Arabic:	العرض
Urdu:	چوڑائی
Farsi:	عرض



Greek:	Σμίκρυνση/Μεγέθυνση
Αγγλικά:	Contraction/Dilation
Turkish:	Küçültme/Büyütme
Arabic:	تكبير/تصغير
Urdu:	زوم میں، قریب کرنا/زوم باہر، دور کرنا
Farsi:	بزرگ کردن/کوچک کردن



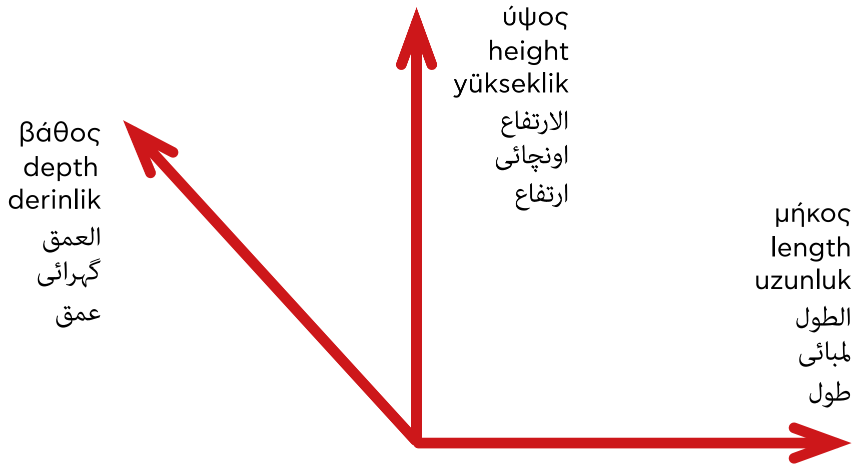
Greek:	Κάθετη/Οριζόντια
Αγγλικά:	Perpendicular/Horizontal
Turkish:	Dikey/Yatay
Arabic:	أفقي/عمودي
Urdu:	افقی/عمودی
Farsi:	افقی/عمود

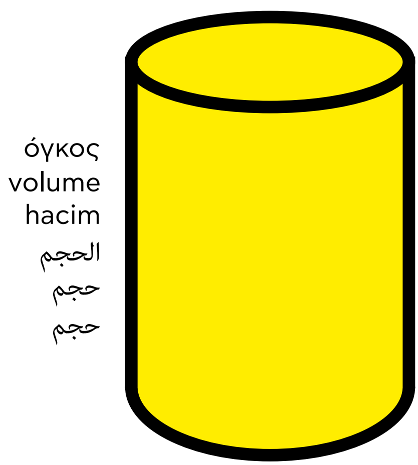


Greek:	Δισδιάστατος χώρος
Αγγλικά:	Two-dimensional space
Turkish:	İki Boyutlu Alan
Arabic:	فضاء ثنائي الأبعاد
Urdu:	دو ابعادی جگہ
Farsi:	فضای دو بعدی



Greek:	Τρισδιάστατος χώρος
Αγγλικά:	Three-dimensional (3D) space
Turkish:	Üç Boyutlu Alan
Arabic:	فضاء ثلاثي الأبعاد
Urdu:	تین ابعادی جگہ
Farsi:	فضای سه بعدی





Greek:	Όγκος
Αγγλικά:	Volume
Turkish:	Hacim
Arabic:	الحجم
Urdu:	حجم
Farsi:	حجم

Χάραξη γραμμών
Line drawing
Çizgi çizme
رسم الخطوط
کھینچنے والی لائنیں
رسم خطوط

Greek:	Χάραξη γραμμών
Αγγλικά:	Line drawing
Turkish:	Çizgi çizme
Arabic:	رسم الخطوط
Urdu:	کھینچنے والی لائنیں
Farsi:	رسم خطوط

σημείο
point
nokta
نقطة
نقطہ
نقطه



ευθεία
line
düz çizgi
خط مستقيم
مستقیم
خط راست

ημιευθεία
half line
ışın
الشعاع
شعاع
نیم خط راست



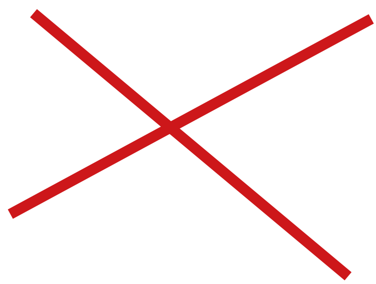
ευθύγραμμο τμήμα
rectilinear segment
düz bölüm
القطعة المستقيمة
خطی قطعہ
پاره خط



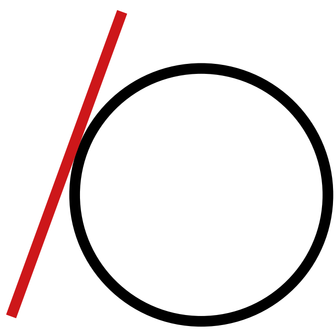
παράλληλες
parallels
paralel
متوازي (مواز)
متوازی
موازی



τεμνόμενες
crossing
kesik çizgi
متقاطع
تقاطع پزیر
متقاطع

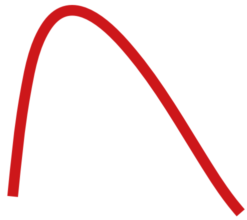


εφαπτομένη
tangential
teğet
المماس
مماس
مماس

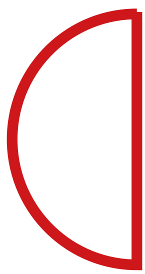


Greek:	Χάραξη γραμμών
Αγγλικά:	Line drawing
Turkish:	Çizgi çizme
Arabic:	رسم الخطوط
Urdu:	کھینچنے والی لائنیں
Farsi:	رسم خطوط

καμπύλη
curve
eğri
منحني
منحنی
منحنی



ημικύκλιο
semicircle
yarım daire
نصف دائرة
نیم دائرہ
نیم دایره



διακεκομμένη γραμμή
dashed line
kırık çizgi
خط متعرج
ٹیڑی میڑی لائن
خط جلا



Χώρος

Space

Alan

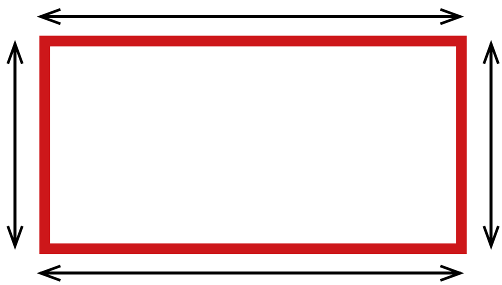
مکان

جگہ

فضا-مکان

Greek:	Χώρος
Αγγλικά:	Space
Turkish:	Alan
Arabic:	مكان
Urdu:	جگہ
Farsi:	فضا-مکان

περίμετρος
perimeter
çevre
المحيط
احاطہ
محیط



εμβαδόν
area
yüzölçümü
المساحة
رقبہ
مساحت



Σχήματα
Shapes
Şekiller
أشكال
شكلان
اشكال

Greek:	Δισδιάστατος χώρος
Αγγλικά:	Two-dimensional space
Turkish:	İki Boyutlu Alan
Arabic:	فضاء ثنائي الأبعاد
Urdu:	دو ابعادی جگہ
Farsi:	فضای دو بعدی

επίπεδο
plane
düzey
سطح مستو
مستوی
سطح صاف

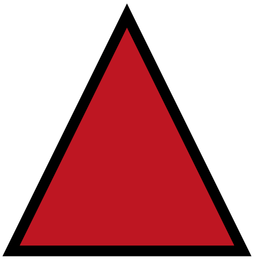


Greek:	Δισδιάστατος χώρος
Αγγλικά:	Two-dimensional space
Turkish:	İki Boyutlu Alan
Arabic:	فضاء ثنائي الأبعاد
Urdu:	دو ابعادی جگہ
Farsi:	فضای دو بعدی

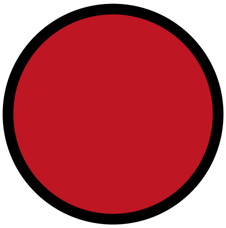
τετράγωνο
square
kare
مربع
مربع
مربع



τρίγωνο
triangle
üçgen
المثلث
مثلث
مثلث



κύκλος
circle
daire
الدائرة
دائرہ
دایره

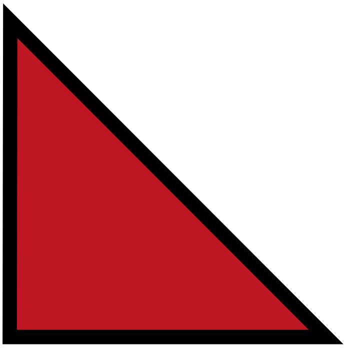


Greek:	Δισδιάστατος χώρος
Αγγλικά:	Two-dimensional space
Turkish:	İki Boyutlu Alan
Arabic:	فضاء ثنائي الأبعاد
Urdu:	دو ابعادی جگہ
Farsi:	مکان دو بعدی

ορθογώνιο
rectangle
dikdörtgen
مستطيل قائم الزوايا
مستطیل، عمودی
مستعطيل



ορθογώνιο τρίγωνο
right triangle
dik açılı üçgen
مثلث قائم الزاوية
قائمہ الزاویہ مثلث، مستطیل مثلث
مثلث قائم الزاویه



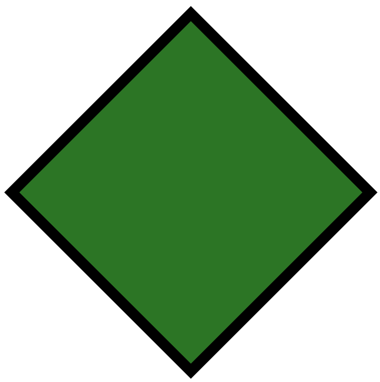
παραλληλόγραμμο
parallelogram
paralelkenar
متوازي الاضلاع
متوازی الاضلاع
متوازی الاضلاع



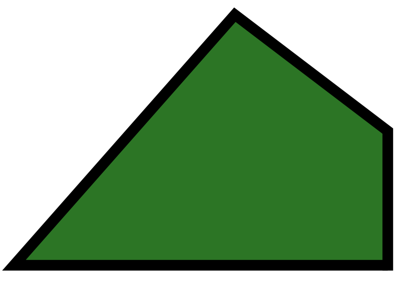
τραπέζιο
trapezium
masa üstü
شبه المنحرف
ٹریپیز،ذوذنقہ نما
ذوزنقه



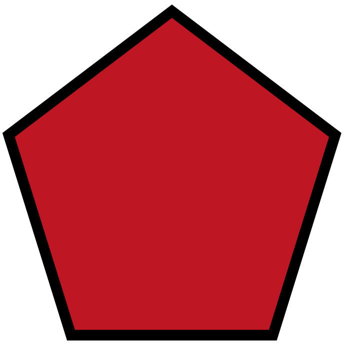
ρόμβος
rhomb
eşkenar dörtgen
المعين
معین
لوزی

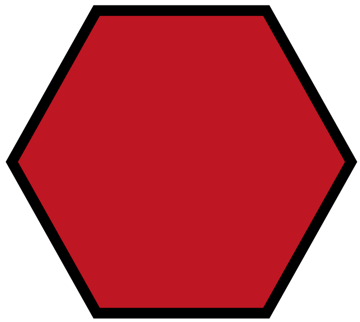


κυρτό
convex
konveks
محدب
ابھرا
شکل محدب

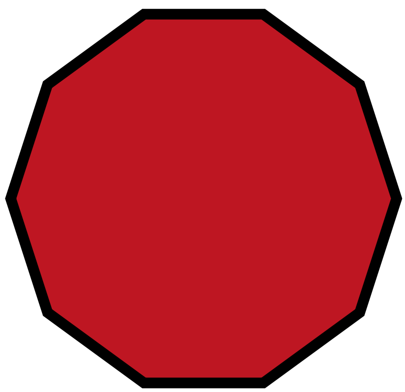


Greek:	Διοδιάστατος χώρος
Αγγλικά:	Two-dimensional space
Turkish:	İki Boyutlu Alan
Arabic:	فضاء ثنائي الأبعاد
Urdu:	دو ابعادی جگہ
Farsi:	فضای دوبعدی



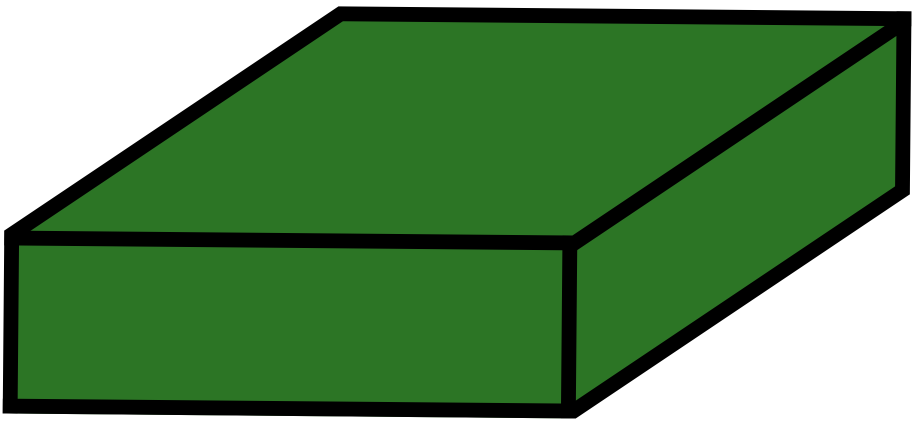


πολύγωνο
polygon
çokgen
المضلع
كثير الاضلاع ، زياده كونو والا الاضلاع
چند زاویه (چند ضلعی)



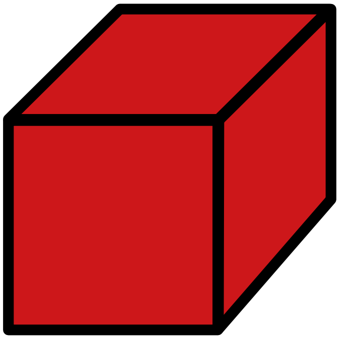
Greek:	Τρισδιάστατος χώρος
Αγγλικά:	Three-dimensional (3D) space
Turkish:	Üç Boyutlu Alan
Arabic:	فضاء ثلاثي الأبعاد
Urdu:	تین ابعادی جگہ
Farsi:	فضای سه بعدی

παραλληλεπίπεδο
cuboid
paralelyüz
متوازي المستطيلات
متوازی سطح
مکعبی(دارای شکل مکعب)

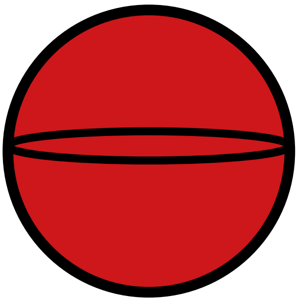


Greek:	Τρισδιάστατος χώρος
Αγγλικά:	Three-dimensional (3D) space
Turkish:	Üç Boyutlu Alan
Arabic:	فضاء ثلاثي الأبعاد
Urdu:	تین ابعادی جگہ
Farsi:	فضای سه بعدی

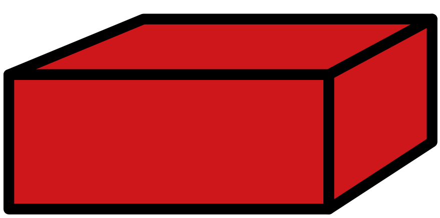
κύβος
cube
küp
مكعب
کیوب, مکعب
مکعب مربع



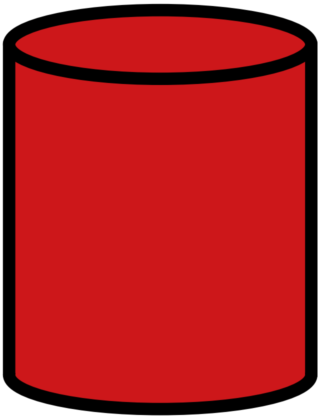
σφαίρα
sphere
küre
كرة
کرہ
کره



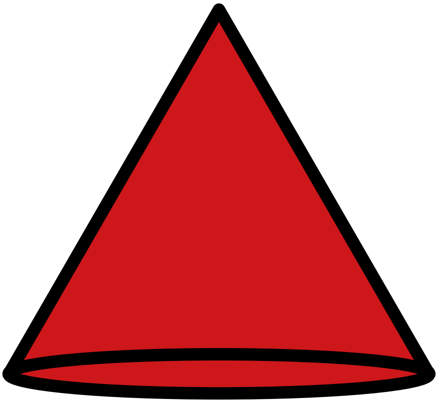
ορθογώνιο παραλληλεπίπεδο
rectangle cuboid
dikdörtgen paralelyüz
مستطيل قائم الزوايا متوازي المستطيلات
مستطیل، عمودی متوازی سطح
مکعب مستعطیل



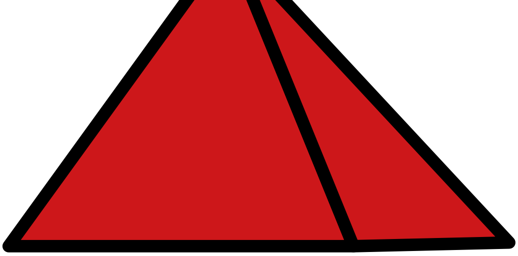
κύλινδρος
cylinder
silindir
أسطوانة
سلنڈر ، بیلن
استوانه



κώνος
cone
huni
مخروط
مخروط
منشور

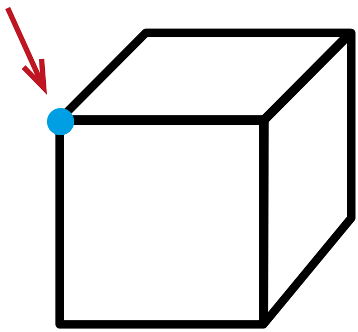


πυραμίδα
pyramid
piramit
هرم
پرامڈ، اہرام
هرم

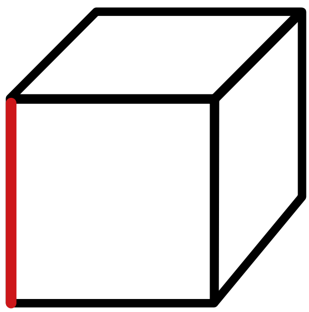


Greek:	Τρισδιάστατος χώρος
Αγγλικά:	Three-dimensional (3D) space
Turkish:	Üç Boyutlu Alan
Arabic:	فضاء ثلاثي الأبعاد
Urdu:	تین ابعادی جگہ
Farsi:	فضای سه بعدی

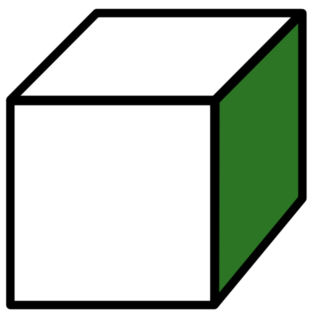
κορυφή
apex
zirve
الرأس
راس
راس



ακμή/πλευρά
edge/side
kenar
حرف أو حافة/ الجانب
محیط، حد، کناره / ضلع، طرف، کناره
ضلع تماس دو سطح/ ضلع



έδρα
face
yüz
وجه
نشست,جگہ
وجه



Γωνίες

Angles

Açılar

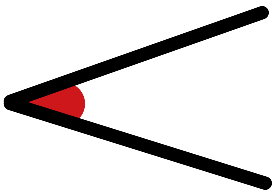
زوايا

زاویے

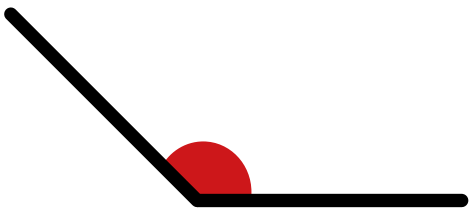
زوایا

Greek:	Γωνίες
Αγγλικά:	Angles
Turkish:	Açılar
Arabic:	زوايا
Urdu:	زاویے
Farsi:	زوايا

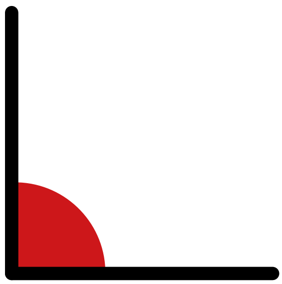
οξεία
accute
dar açı
الزاوية الحادة
حادہ
حاده



αμβλεία
obtuse
geniş açı
الزاوية المنفرجة
منفرجہ
منفرجه



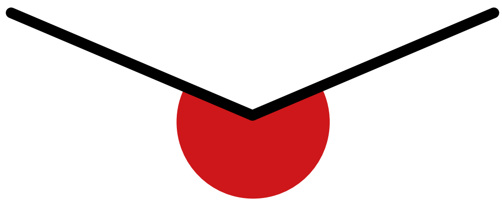
ορθή
right
dik açı
الزاوية القائمة
قائمہ
قائمه



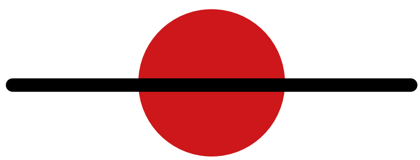
μηδενική
zero angle
sıfır açısı
الزاوية الصفرية
زاویہ صفر
زاویه صفر



μη κυρτή
non-convex
dışbükey olmayan
الزاوية المحدبة أو الزاوية المنعكسة
غیر ابھرتی
غیر محدب

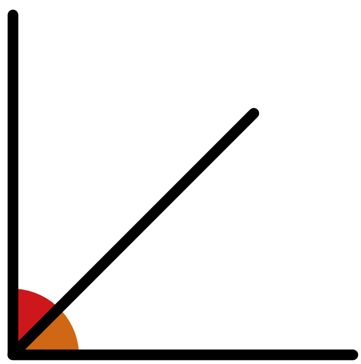


πλήρης
complete
tam
الزاوية الكاملة
مکمل
کامل

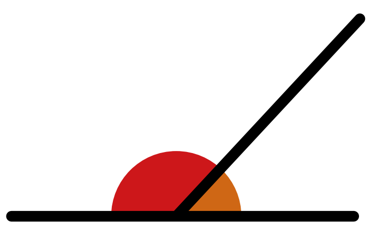


Greek:	Γωνίες
Αγγλικά:	Angles
Turkish:	Açılar
Arabic:	زوايا
Urdu:	زاویے
Farsi:	زوایا

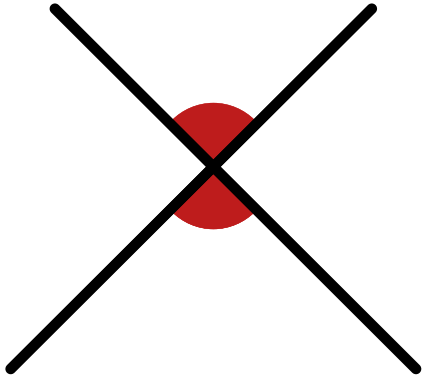
συμπληρωματική
complementary
tam
الزاويتان المتتامتان
متمم, تکمیل
زاویه متمم



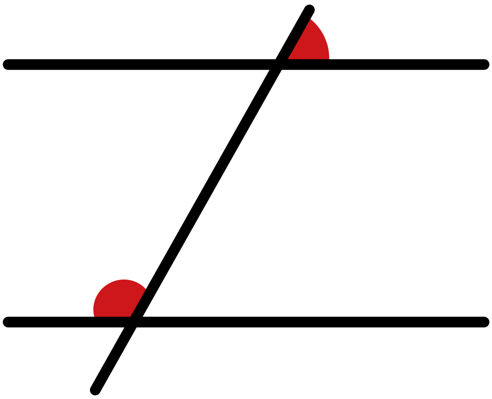
παραπληρωματική
explementary
tamamlayıcı
الزاويتان المتكاملتان
تتمی
زاویه مکمل



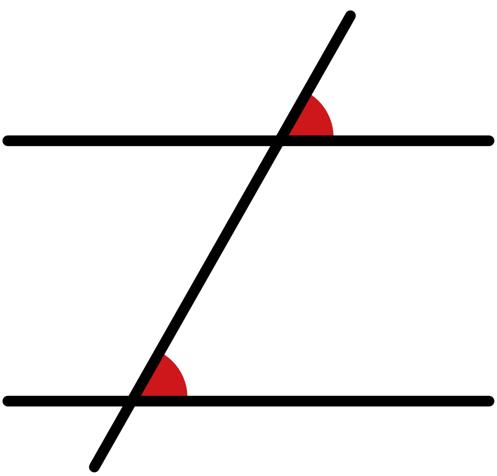
κατακορυφήν
vertically opposite
üstte
الزاويتان المتقابلتان بالرأس
عمودی طور پر برعکس زاویے
زوایای متقابل



εντός/εκτός εναλλάξ
alternate interior/exterior
üst iç dar açı/alt iç dar açı
داخل/خارج بالتبادل
متبادل اندرونی/بیرونی زاویے
زوایای داخلی و خارجی(متناظر)



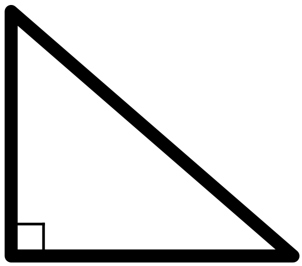
εντός/εκτός επί τα αυτά
interior/exterior same side
aynı taraflı/üst dışlalt iç dar açılar
داخل/خارج على طرف واحد
اندرونی / بیرونی ایک طرف کے زاویے
زوایای داخلی/ خارجی در یک سمت



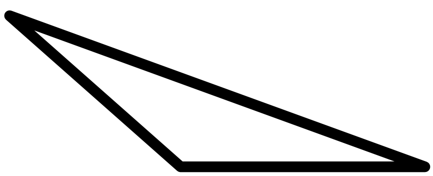
Τρίγωνα
Triangles
Üçgenler
مثلثات
مثلث
مثلث ها

Greek:	Τρίγωνα
Αγγλικά:	Triangles
Turkish:	Üçgenler
Arabic:	مثلثات
Urdu:	مثلث
Farsi:	مثلث ها

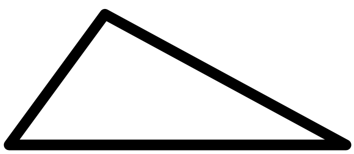
ορθογώνιο τρίγωνο
right triangle
dik açılı üçgen
مثلث قائم الزاوية
قائمہ الزاویہ مثلث، مستطیل مثلث
مثلث قائم الزاویه



αμβλυγώνιο
obtuse angled
geniş açılı
مثلث منفرج الزاوية
مندرجہ مثلث
مثلث منفرجه

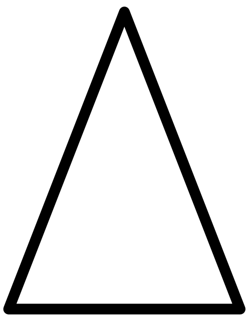


οξυγώνιο
acute angled
dar açılı
مثلث حاد الزوايا
حادہ الزاویہ مثلث
مثلث حاده

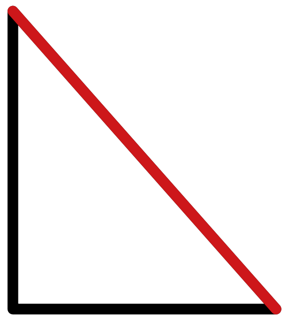


Greek:	Τρίγωνα
Αγγλικά:	Triangles
Turkish:	Üçgenler
Arabic:	مثلثات
Urdu:	مثلث
Farsi:	مثلث ها

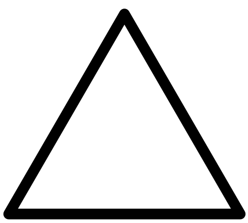
ισοσκελές
isosceles
ikizkenar
متساوي الساقين
مساوی الساقین مثلث
متساوی الساقین



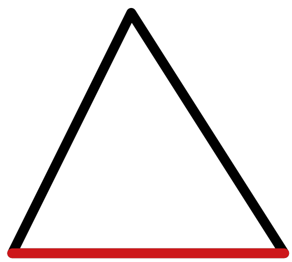
υποτείνουσα
hypotenuse
hipotenüs
وتر المثلث القائم
وتر
وتر



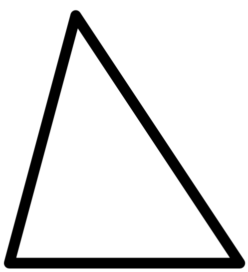
ισόπλευρο
equilateral
eşkenar
متساوي الاضلاع
متساوی الاضلاع مثلث
متساوی الاضلاع



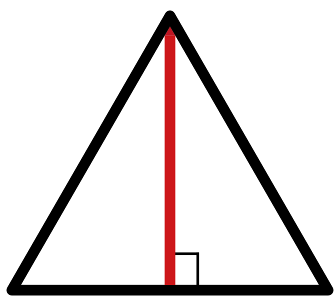
βάση
base
temel
قاعدة المثلث
بنیاد
قاعده



σκαληνό
scalene
eşkenar olmayan
مختلف الأضلاع
مختلف ضلعی مثلث
مثلث متفاوت الاضلاع

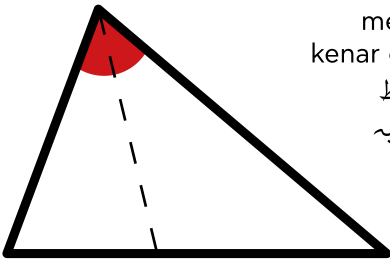


ύψος
height
yükseklik
الارتفاع
اونچائی
ارتفاع

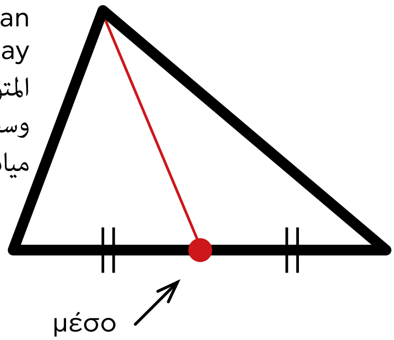


Greek:	Τρίγωνα
Αγγλικά:	Triangles
Turkish:	Üçgenler
Arabic:	مثلثات
Urdu:	مثلث
Farsi:	مثلث ها

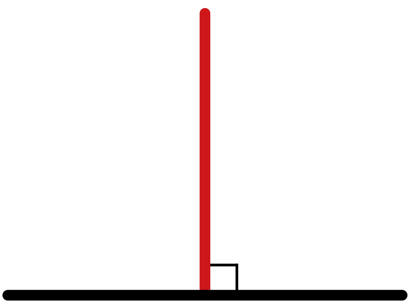
δικοτόμος
bisector
açıortay
منصف الزاوية
تنصيف
نیمساز زاویه



διάμεσος
median
kenar ortay
المتوسط
وسطانیہ
میانه

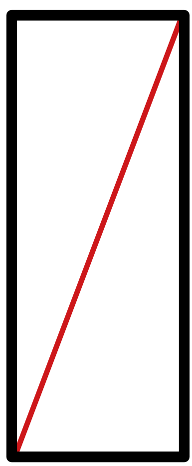


μέσο
midpoint
orta
المتوسط
وسط، درمیان
وسط



μεσοκάθετος
perpendicular bisector
çizgi açıortay
المنصف العمودي أو المتوسط العمودي
ارتفاع
عمود نصف

διαγώνιος
diagonal
kösegen
الوتر
قطر
وتر-قطر



Τριγωνομετρία

Trigonometry

Trigonometri

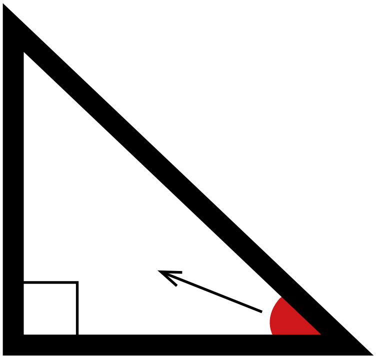
علم المثلثات

ٹریگنومیٹری

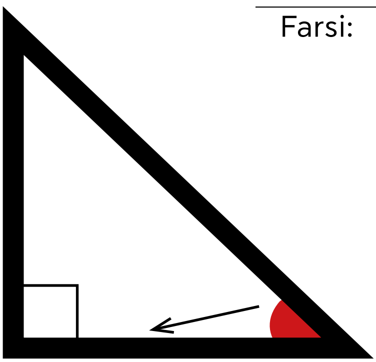
مثلثات

→

Greek:	Ημίτονο της γωνίας ω/ημω
English:	Sine of the angle ω/sinω
Turkish:	Köşenin sinüsu ω/sin
Arabic:	جيب
Urdu:	اومیگا (ω) زاویہ کا جیب/sin(ω)
Farsi:	سینوس زاویه(ω)



Greek:	Συνημίτονο της γωνίας ω/συνω
English:	Cosine of the angle ω/cosω
Turkish:	Köşenin kosinüsü ω/cos
Arabic:	جيب التمام أو تجيب
Urdu:	اومیگا (ω) زاویہ کا التمام/ cos ω
Farsi:	کسینوس زاویهω



Κύκλοι

Circles

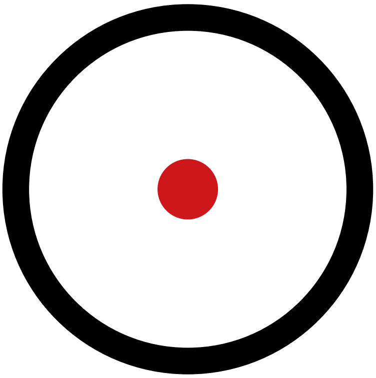
Daireler

دوائر

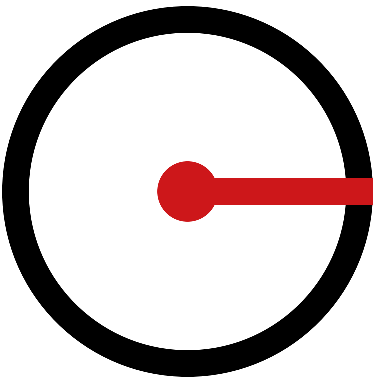
دائرے

دایره ها

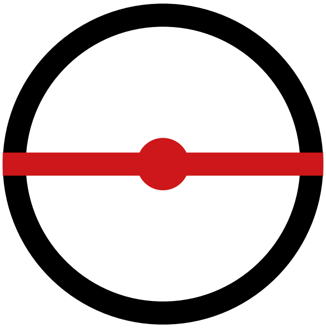
Greek:	Κέντρο
English:	Center
Turkish:	Merkez
Arabic:	المركز
Urdu:	مرکز
Farsi:	مرکز



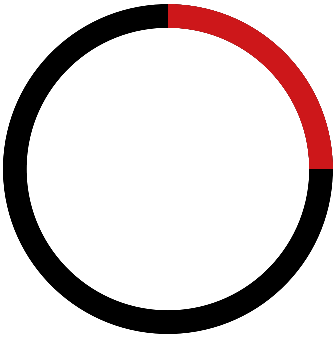
Greek:	Ακτίνα
English:	Radius (pl. radii)
Turkish:	Yarıçap
Arabic:	نصف القطر
Urdu:	قطر
Farsi:	شعاع



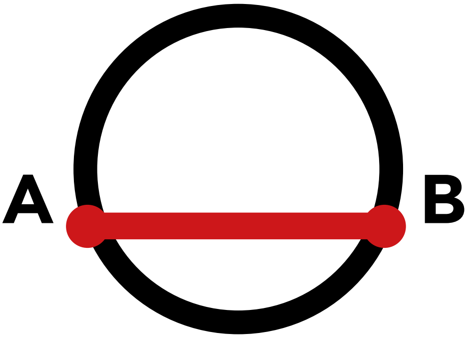
Greek:	Διάμετρος
English:	Diameter
Turkish:	Çap
Arabic:	القطر
Urdu:	احاطہ
Farsi:	قطر



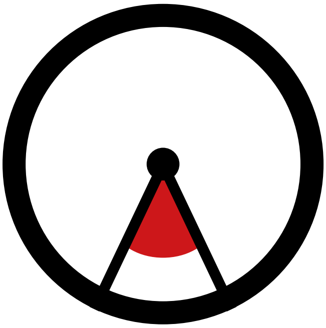
Greek:	Τόξο
English:	Arc
Turkish:	Yay
Arabic:	القوس
Urdu:	قوس
Farsi:	قوس-كمان



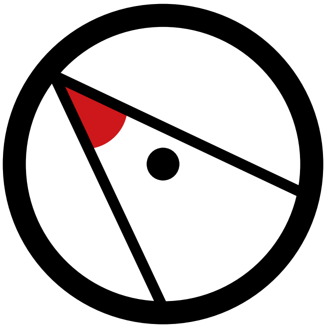
Greek:	Χορδή
English:	Chord
Turkish:	Kiriş
Arabic:	الوتر
Urdu:	دائرے کا وتر
Farsi:	وتر



Greek:	Επίκεντρη γωνία
English:	Central angle
Turkish:	Odak açı
Arabic:	الزاوية المركزية
Urdu:	مرکزی زاویہ
Farsi:	زاویه متمرکز

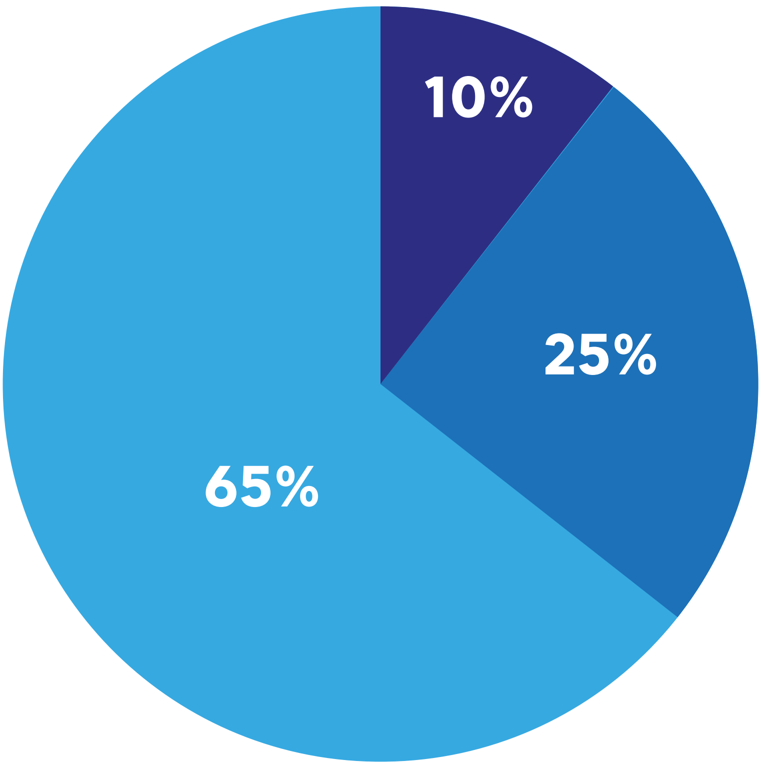


Greek:	Εγγεγραμμένη γωνία
English:	Inscribed angle
Turkish:	Dikey açı
Arabic:	الزاوية المحيطية
Urdu:	پردیپ زاویہ
Farsi:	زاویه غیر متمرکز

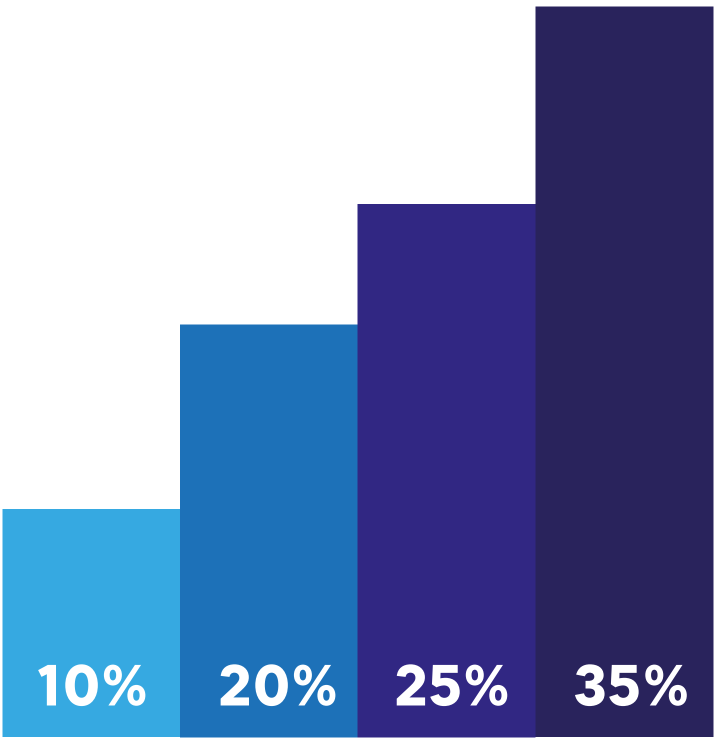


Γραφήματα
Graphs
Grafikler
الرسوم البيانية
گرافکس
نمودارها

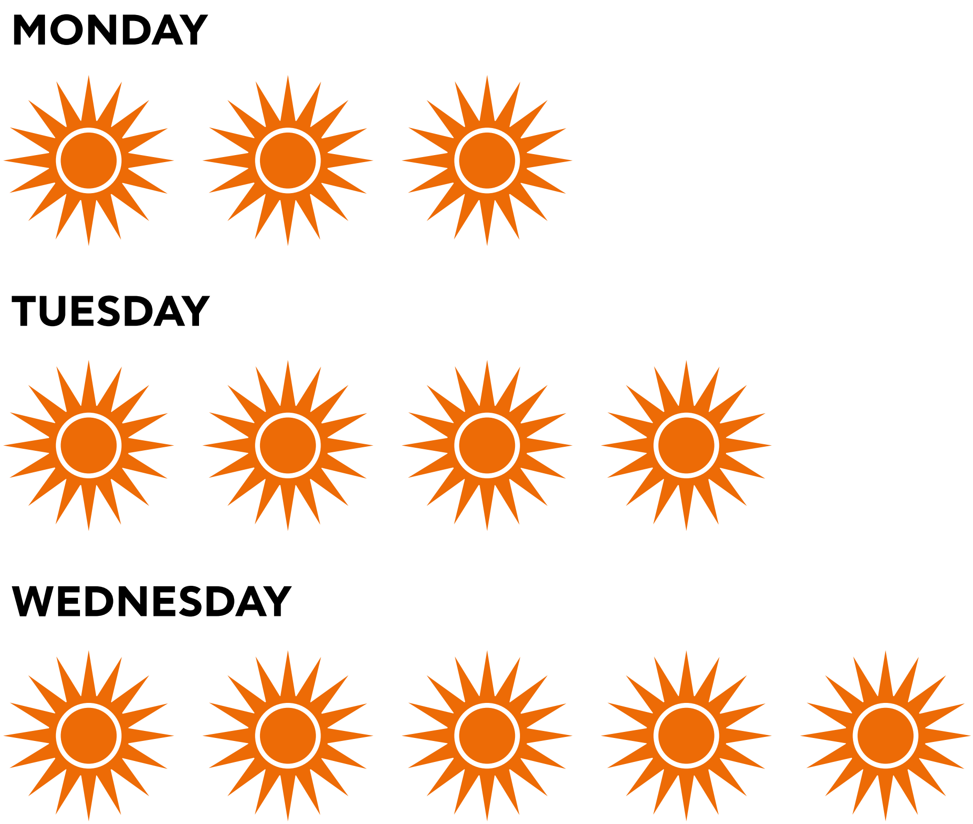
Greek:	Κυκλικό διάγραμμα
English:	Pie graph, pie chart
Turkish:	Dairesel diyagram
Arabic:	رسم بياني دائري
Urdu:	دائرہ گراف
Farsi:	نمودار دایره ای



Greek:	Ραβδόγραμμα
English:	Bar graph
Turkish:	Çubuksal grafik
Arabic:	رسم بياني شريطي
Urdu:	بار گراف
Farsi:	نمودار نواری(ستونی)



Greek:	Εικονόγραμμα
English:	Pictograph
Turkish:	Resimli grafik
Arabic:	رسم تصويري
Urdu:	تصویری علامت
Farsi:	نمودار تصویری



Προσανατολισμός

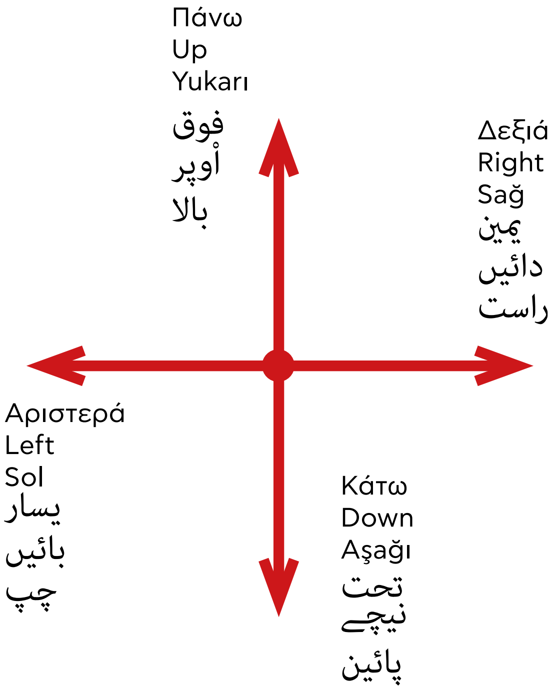
Orientation

Yönlendirme

التوجه

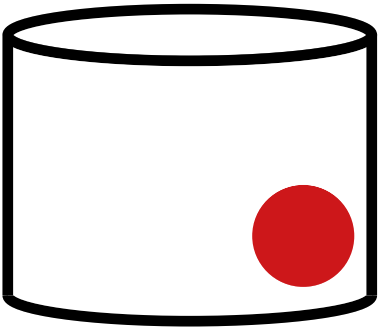
شرقی ، تعین رُخ

جهت یابی

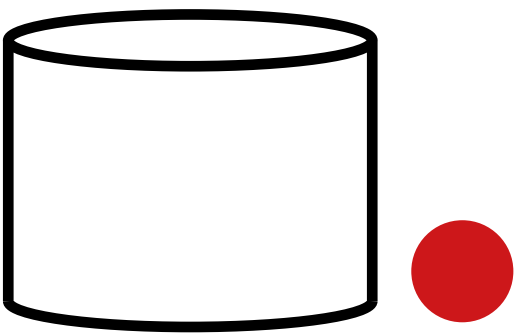

Πάνω
Up
Yukarı
فوق
أوپر
بالا
Δεξιά
Right
Sağ
يمين
دائیں
راست
Αριστερά
Left
Sol
يسار
بائیں
چپ
Κάτω
Down
Aşağı
تحت
نیچے
پائین

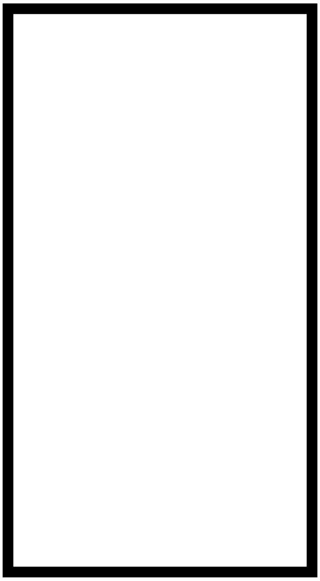

Βορράς
North
Kuzey
شمال
شمال
شمال
Δύση
West
Batı
غرب
مغرب
غرب
Ανατολή
East
Doğu
شرق
مشرق
شرق
Νότος
South
Güney
جنوب
جنوب
جنوب

Greek:	Μέσα
English:	In
Turkish:	Iç
Arabic:	داخل
Urdu:	اندر
Farsi:	درون-داخل



Greek:	Έξω
English:	Out
Turkish:	Dış
Arabic:	خارج
Urdu:	باہر
Farsi:	خارج -بیرون



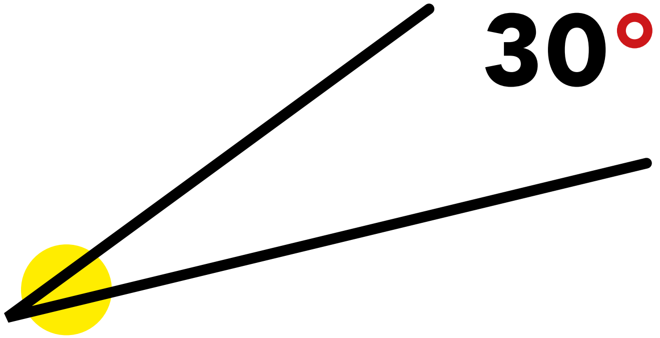


Greek:	Πλαίσιο
English:	Frame
Turkish:	Çerçeve
Arabic:	إطار
Urdu:	فریم
Farsi:	قالب -چهار چوب

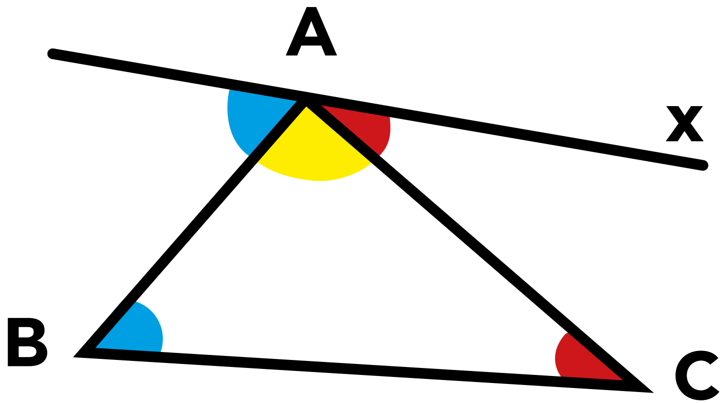
Greek:	Μοτίβο
English:	Motif
Turkish:	Motif
Arabic:	نمط
Urdu:	پیٹرن، نمونہ
Farsi:	موتيف



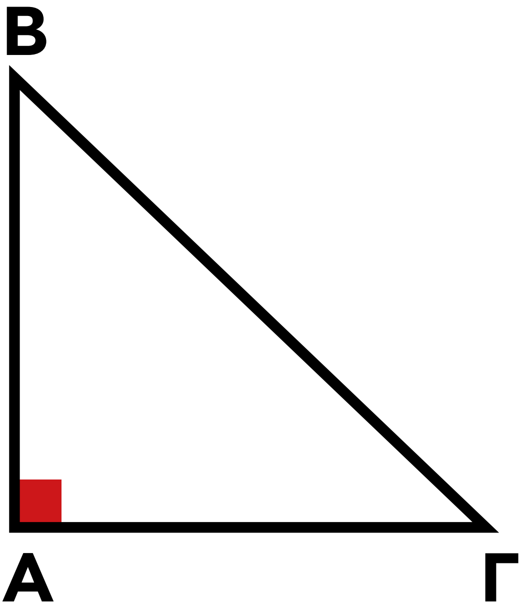
Greek:	Μοίρες
English:	Degrees
Turkish:	Açılar
Arabic:	درجات
Urdu:	درجہ
Farsi:	درجه



Greek:	Άθροισμα γωνιών
English:	Sum of angles
Turkish:	Açıların toplamı
Arabic:	مجموع الزوايا
Urdu:	زاویوں کا جمع
Farsi:	مجموع زوایا



Greek:	Πυθαγόρειο Θεώρημα
English:	Pythagorean theorem
Turkish:	Pisagor teoremi
Arabic:	نظرية فيثاغورس
Urdu:	فیثاغورسی مسئلہ
Farsi:	قضيه فيثا غورث



$$B\Gamma^2 = AB^2 + A\Gamma^2$$

جهت يابى شرقى ، تعين رُخ   التوجه

Design by: meandyou communication design

Printed by Panagiotis Makrygiannis

06/2018

قاموس رياضيات
Μαθηματικό Λεξικό
اصطلاحات رياضى
Mathematical Dictionary
رياضی کی لغت
Matematik Sözlüğü



ISBN: 978-960-9771-02-3